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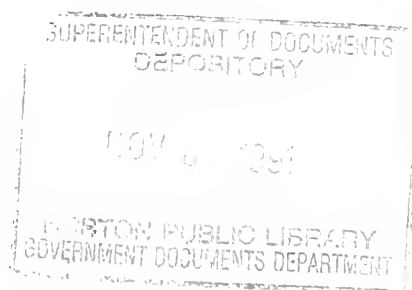
CENSUS



CURRENT INDUSTRIAL REPORTS

M3-1(90)

# Manufacturers' Shipments, Inventories, and Orders: 1982-1990



U.S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS



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**M3-1(90)**

Issued March 1991

# **Manufacturers' Shipments, Inventories, and Orders: 1982-1990**



**U.S. Department of Commerce**

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Administration**

**Michael R. Darby,**

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# Summary of Revisions

## GENERAL

The historical data from the Manufacturers' Shipments, Inventories, and Orders survey have been revised as a result of:

1. Converting the complete time series to the 1987 Standard Industrial Classification (SIC) definitions.
2. Benchmarking the shipments and inventory data to the 1987 census and 1988 Annual Survey of Manufactures (ASM).
3. Adjusting new and unfilled orders to be consistent with the benchmarked shipments and inventory data.
4. Updating the trading day adjustment factors in the shipments series.
5. Updating the seasonal adjustment factors for all series. The results of the first three procedures are summarized for 1982 through 1990 in Table A in the form of annual level and year-to-year percent change revisions. The results of the trading day and seasonal adjustment factor updates are shown in Table B as they affected the more recent month-to-month trends in the seasonally adjusted data.

## SPECIFIC

### Industry Reclassification Revisions

Eleven of the 20 major manufacturing industry groups were revised because of the changes in the industry classifications. The most significant change in terms of value of shipments was in Electronic and Other Electrical Equipment (MG36) and Instruments and Related Products (MG38). Nearly half of the Communications Equipment industry in MG36, about \$34 billion, was reclassified to Search and Navigation Equipment in MG38.

Twenty-one of the 80 M3 industry category data series were affected by SIC changes and were revised back to 1958 to retain data continuity. In addition, 11 other categories were redefined to provide more specific detail in industrial areas whose relative importance has increased significantly or where seasonal adjustment improvements might be expected.

The results of these revisions due to the SIC changes as well as technical notes on the methodology are summarized for the 20 major groups in Appendix D for shipments and inventories and Appendix E for new and unfilled orders. Since data were available on both the 1972 and 1987 SIC basis only from the 1987 census, estimates of the effects on the annual data prior to 1987 were made using previously published information from other Census Bureau industry and product surveys.

### Benchmarking Revisions

Prior to converting the historical data in the survey to the 1987 SIC definitions, data were benchmarked to the 1987 census levels based on the 1972 SIC definitions using a two-stage process. First, the data for 1982 through 1987 which had been previously benchmarked to census and annual survey estimates for 1982 through 1986, were adjusted to 1987 ASM estimates (which are not published). Second, the 1982 through 1987 data were adjusted to the 1987 census levels, distributing the level correction which generally occurs in census years over the 5-year period. This is a change from prior procedures where the correction was confined to the census year, causing a distortion in the trend for the time interval. A more detailed discussion of the current and previous procedure and the purpose of the methodology change is found in the section on Benchmark Procedures on page IX. Technical notes on the benchmark methodology are found in Appendix D for shipments and inventories and Appendix E for new and unfilled orders.

Results of this smoothing procedure for all major 2-digit industries, according to 1972 SIC definitions, are included in the tables in Appendix D and Appendix E. At the total manufacturing level, the revised data in terms of year-to-year percent change are quite close to the year-to-year change estimated in the M3 survey with no benchmarking between censuses. (see Table A.) However, at the major industry group levels, the results are not as reinforcing. Generally, however, most M3 series are revised lower when benchmarked to ASM year data and up significantly in census years.

This implied downward bias in the ASM benchmark levels was statistically quantified in the most recent periodic survey evaluation which was completed and submitted to the Office of Management and Budget



(OMB) in March 1990. Possible reasons for the bias are discussed in greater detail in that report, copies of which are available upon request. These findings were the primary reason for invoking the second stage smoothing procedure.

### **Updating of Trading Day and Seasonal Adjustment Factors**

An evaluation of the trading day adjustment factors and methodology used in developing the monthly M3 survey estimates was recently completed. The recommendations were implemented with this report. This is the first such evaluation since the research which initiated trading day adjustments in 1962. In general, the factors used historically had an insignificant but persistent downward bias due to rounding the average number of trading days per month from 26.09 to 26. In addition to correcting for this problem, each shipments series was separately evaluated and unique factors calculated. Prior to this, all shipments series except three carried the same factors and the same daily weights. Appendix F contains more specific information on the study, daily weights assigned to each series, and diagnostics examined in determining the new weights.

The seasonal adjustment procedure followed in this report is the same as that used in the last benchmark report issued in August 1988 and is described in Appendix G. Fifteen series whose historical data were significantly revised were reexamined for the presence of seasonality using the same procedure followed in 1988 when all series were evaluated. Updated diagnostic information on the characteristics and quality of the seasonal adjustment for all series is found in the tables in Appendix G.

The effects of updating the trading day and seasonal adjustment factors on the month-to-month percent changes for 1990 for the major industry categories and aggregates are shown in Table B. The data indicate a slightly greater volatility in the revised data for those major industries affected by the change in industry definitions. This volatility should diminish as additional observations are added to the calculations.

### **Other Survey Changes Effective with this Report**

Several new series aggregates which focus on a particular subject and are referenced as topical series

replace the previously labeled Supplementary Series. All of the series formerly included under the Supplementary Series caption as Defense and Nondefense Capital Goods, and the Market Category caption are included in the topical series. They are not directly comparable, however, because of changes in the specific categories included in the aggregate and a more refined regrouping and weighting of the M3 industry series into eight market categories rather than six.

In addition, an aggregate on producers' durable equipment (PDE) has been added. It should be noted, however, that this series might not simulate the current dollar version of the data published by the Bureau of Economic Analysis because of differences in the weighting schemes used in aggregating the specific series.

Two other aggregates, one on Health Care Products and Equipment and one on Information Technology Industries (which is also one of the PDE subaggregate series) are presented experimentally to stimulate data users who might have a different focus or interest. We solicit comments on this endeavor as well as suggestions for other series combinations which might increase the utility of the M3 survey data.

### **Data Availability**

In addition to this report, historical data from 1958 through 1990 are available on computer tape through the Data User Services Division of the Census Bureau at a cost of \$175.00. To order, call 301-763-4100. Data on CD-ROM will be available in the near future along with a subscription service for quarterly updates. Call 301-763-2502 to check on the availability of the service and cost determination.

The monthly press releases for the M3 survey are issued around the 17th and 23rd working days of the month following the statistical period covered. These are available on hard copy or via a fax transmission service, both on a subscription fee basis. Call 301-763-2502 for initiating this service. These reports are also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199).



## Description of Survey

The Manufacturers' Shipments, Inventories, and Orders, (M3) survey, provides broadbased monthly statistical data on economic conditions in the domestic manufacturing sector. It is designed to measure current industrial activity and to provide an indication of future business trends. The data are used extensively by the Executive Branch of the Government in developing economic, fiscal, and monetary policy; by the Bureau of Economic Analysis as components of the gross national product estimates; and by trade associations, corporate economists, and other members of the business community as an analytical tool in their assessment of the current and future economic condition of the country.

### COMPOSITION OF INDUSTRY CATEGORIES

There are 80 industry categories for which estimates are separately tabulated in the M3 survey. These categories are groupings of the 459 manufacturing industries as defined in the 1987 Standard Industrial Classification (SIC) Manual.<sup>1</sup> These categories are listed in Appendix B.

Reporting in many of these 80 categories is not sufficient to warrant separate publication of the data. Quality of the data in the specific categories is further limited by consolidated reporting by some large companies. A company which reports on a consolidated basis (either the entire company or a division) is included only in the M3 category in which the reporting unit as a whole is classified and has no influence on the movement of the other industries included in the combined report.

As a result, it has been necessary to combine the 80 industry categories into 45 publication levels for shipments and total inventories. For new and unfilled orders, and inventories by stage of fabrication, it has been necessary to introduce further combinations because of the lower response rates for those items.

### COMPOSITION OF THE SURVEY PANEL

The monthly M3 estimates are based on information obtained from most manufacturing companies with \$500 million or more in annual shipments. Selected smaller

companies are included to strengthen the sample coverage in individual industry categories. These companies are identified from the quinquennial censuses of manufactures and/or interim annual surveys of manufactures.

For firms that operate in a single M3 industry category, the reporting unit typically comprises all operations of the company. Most large, diversified companies, however, file separate reports for divisions with significant activity in different industrial areas.

Each company or reporting unit of a company in the survey is usually comprised of more than one plant or establishment, and frequently includes industry activities outside the M3 category in which it is classified. The survey methodology described later in this chapter assumes that the month-to-month changes of the total operations of the reporting units classified in each industry category effectively represent the month-to-month movements of all establishments classified in the most recent census in the 4-digit SIC industries which make up the category.

The sample for this survey was initially selected in 1962 and included all companies with more than 1,000 employees. Smaller companies were sampled proportional to their employment size. Because of poor response rates, reporting by companies with less than 100 employees was discontinued in 1963, and instead, data for these companies were estimated by using overall industry averages based on data reported by the larger companies.

There was also some deterioration in response rates for companies with between 100 and 1,000 employees. Therefore, in January 1975, a supplemental sample of approximately 1,000 companies was selected from the universe of companies in this size range in order to strengthen the estimates. Although the response rate was only about 60 percent for this group, reports from responding companies are included in the monthly estimates beginning with January 1978.

In recent years, efforts to increase response rates have been based on the size of the value of shipments of the company or reporting unit rather than the employment size. Using this criterion, large companies that do not report in the survey were visited or otherwise contacted requesting that they participate or that they reconsider a previous decision not to participate. Large companies with diversified manufacturing activities that

<sup>1</sup>The SIC, as developed in the Office of Management Budget by the Technical Committee on Industrial Classification, classifies establishments to the 4-digit industry level by principal type of activity therein engaged.



already report in the survey were requested to submit data for industry categories not previously reported.

Letters are sent on an ongoing basis to companies in industry categories with low response rates, soliciting their participation. Also, a probability sample was selected and mailed to about 400 midsized companies in the plastics industry. The purpose was to test the viability of probability sampling, especially in industries comprised primarily of smaller, less diversified companies.

All of these efforts to increase response result in the addition to the panel of about 45 to 55 percent of the companies contacted. However, these increases are frequently offset by respondent dropouts. The current coverage levels in the survey show that approximately 50 percent of the shipments estimates at the total manufacturing level are based on reported data, while the individual coverage rates for the twenty 2-digit major SIC industries vary from about 20 to 99 percent.

## LIMITATIONS OF THE DATA

The monthly data presented in this publication are subject to both sampling and nonsampling errors. Sampling errors occur because reports are received from a sample rather than from the complete universe of manufacturing companies. Because the present composition of the panel is not based on a probability sample, the amount of sampling error cannot be quantified. Nonsampling errors, on the other hand, are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use primarily of large companies to represent the month-to-month movement of all companies is another potential source. In addition, response and processing errors may be present, although most of the significant errors of this kind are detected through computer edits of the data prior to tabulation and through analytical review of the data.

## MONTHLY ESTIMATION PROCEDURE

The monthly universe estimates of shipments, unfilled orders and total inventories are derived for each industry category using a link relative procedure. The universe estimate for the previous month is multiplied by the monthly ratio of change tabulated for reporting companies in the current month to arrive at a universe estimate for the current month.

When an individual company reports unusually large changes from the previous month, or when a particular company has unique data patterns differing substantially from the movement shown by the rest of the reporting panel, the company is excluded from the ratio of change calculation but included in the universe

estimate of level. The effect of this procedure is to restrict the estimation for nonrespondents and firms not in the survey panel to the general trend of the industry.

The universe estimate of new orders is derived from the monthly estimate of shipments plus the change in unfilled orders between the current and prior period. The estimate includes orders that are received and filled in the same month as well as orders that have not yet been filled. Also included are the effects of cancellations and modifications of previously reported orders.

The standard ratio estimate procedure is not followed for new orders because not all companies report new orders, and some that do report this item limit their reporting to specific products for which long lead times are required in the production cycle. These companies, in effect, exclude new orders received for products that are shipped from inventory.

A modified procedure also is used to estimate the stage of fabrication inventory data. In this procedure, the total inventory data estimated for each tabulated industry category are cumulated to the appropriate 2-digit SIC major group levels and serve as control totals for the stage of fabrication data. Initial estimates are made for each of the stages of fabrication at the 2-digit SIC level using the ratio estimation procedure. The differences between the sum of the stage of fabrication detail and total inventories at the 2-digit SIC level are then allocated proportionally to the stage of fabrication figures to form the estimates. This procedure is followed because a significant number of companies that report total inventories cannot report inventories by stage of fabrication.

## Trading Day Adjustment

Variations in the rate of manufacturing activity resulting from different numbers of trading days in the same month for different years and variations in the length of months can be an important cause of month-to-month fluctuations in the shipments data. For many industries, these irregularities can be approximately identified and removed so that the underlying trend cycle stands out more clearly.

The trading day adjustment procedure followed in the M3 survey has been modified effective with this report. The previous methodology was based on research completed in 1962. At that time, it was determined that all shipments categories, except for tobacco products, pulp and paperboard mills, and newspapers, periodicals and books, would use the same set of weights for the days of the week, that is, equal weights for Monday through Friday and half weights for Saturday and Sunday. This pattern averages 26.09 trading days per month and resulted in a lower irregular component when the data were seasonally adjusted.



Recent software and data processing improvements have facilitated research and implementation of unique trading day adjustment factors for each series. These improvements include refinements to the trading day analysis in the X-11 seasonal adjustment program,<sup>2</sup> additions to diagnostic software,<sup>3</sup> which identifies progressively unstable data patterns and redesign of the monthly survey data processing system.

Most of the shipments series have trading day factors calculated in the trading day regression analysis routine in the X11 software. However, six of the shipment series did not have identifiable trading day patterns and are only being adjusted for length of month variations. Seven other series are retaining the weights used in the original study. In all cases, the objective of the study was to find a set of weights which resulted in reductions in the irregular component as compared with the irregular calculated using the same weights for all series. The set of daily weights for each shipments series, plus the values of the irregular component with and without the adjustment for numbers of trading days, and a more detailed discussion of the methodology comprise Appendix F.

## Seasonal Adjustment Methodology

The monthly data are adjusted for seasonality at the most detailed level tabulated in the survey, using the X-11 ARIMA version of the Census Bureau's seasonal adjustment program.<sup>2</sup> The seasonally adjusted estimates for shipments, unfilled orders, and total inventories for M3 industry categories are calculated by dividing the unadjusted estimates by seasonal adjustment factors computed by the X-11 ARIMA seasonal adjustment program. Seasonally adjusted new orders are computed by adding to the current month's seasonally adjusted shipments the changes in the seasonally adjusted unfilled orders between the current and the prior period.

The inventory by stage of fabrication data are seasonally adjusted at the 2-digit SIC major group level and then summed to total inventory 2-digit SIC estimates. If the summed data do not equal the major group totals resulting from summing the seasonally adjusted total inventories for the individual industries, the difference is proportionally allocated to the stage of fabrication detail.

Seasonal factors are calculated concurrently, that is, each current period observation is included in the calculation of the seasonal factor for that month. The factors reflected in this report are based on data from January 1978 through December 1990 for shipments

and inventories, and January 1977 through December 1990 for unfilled orders. Reliability measures regarding the adequacy of the seasonal adjustment of specific series are presented in Appendix G. For information on specific measures used in the seasonal adjustment analysis, selection of options within the X-11 program for the individual industry series, and tests for the presence of seasonality, contact the Industry Division, Bureau of the Census, Washington, DC 20233, or call (301) 763-2502.

## BENCHMARK PROCEDURE

The M3 survey data are benchmarked to reduce for both sampling and nonsampling errors. The relatively small monthly sample size as well as the differences that result from collecting the monthly data on a divisional basis as compared to the benchmark data on an establishment basis account for most of the revision. Also, some monthly reports received too late to include in the monthly publications are added to improve the revised estimates of change in the historical monthly data.

The benchmarking process for this report included comparing monthly data reported by large companies with their annual data submitted in the 1987 census, 1988 Annual Survey of Manufactures (ASM), and the 1987 Shipments to Federal Government Agencies survey. Review was more intense in those industries affected by the 1987 industry redefinitions. (A discussion of the revisions resulting from the conversion to the 1987 classifications is found in the "Summary of Revisions" in this publication). For these industries, monthly M3 reports were retabulated historically for 1987 through 1990 according to the 1987 classifications to improve the subsequent industry level seasonal adjustment of the estimates.

The benchmarking methodology followed in correcting the industry estimates in this report is somewhat different from that followed in prior reports. Previously, estimates of annual shipments and end-of-year total and stage of fabrication inventories calculated in the monthly survey were benchmarked directly to the data compiled in the quinquennial censuses of manufactures and the interim annual surveys. The end-of-year unfilled orders estimates were benchmarked to levels collected in unfilled orders benchmark surveys conducted for end-of-years 1976 and 1986. For the interim years, the levels were adjusted based on changes in the relationship of unfilled orders to shipments of companies reporting in the monthly survey and the ratio of the ASM shipments estimate to the summed monthly survey data. Since new orders are defined as the change in unfilled orders between the current and prior periods plus the current period shipments, implicit benchmark

<sup>2</sup>The X-11 ARIMA Variant of Census Method II Seasonal Adjustment from Statistics Canada is the program used to calculate trading day weights and to seasonally adjust data in this publication.

<sup>3</sup>"Sliding Spans Diagnostics for Seasonal and Related Adjustments," Findley, Monsell and Shulman, Bureau of the Census, (Washington, D.C. 1986).



estimates for new orders were derived. The last benchmark report following this procedure was issued in August 1988 and included M3 data benchmarked through 1986.

The change to the benchmarking methodology affects the historical data between the 1982 and 1987 census years. The goal was to distribute the error that cumulates in the annual survey estimates between censuses to all interim years; the prior procedure allowed the level correction to affect only the monthly estimates for the census year, resulting in a distortion in the monthly time series trends.

The mathematical technique followed to effect this long range smoothing is similar to that used in prior benchmark operations. In general, the objective function is set to minimize revisions to the trend or month-to-month change in the data when specific annual total or year-end constraints are imposed.

The first step was to distribute the difference between the 1987 census estimates and 1987 ASM estimates across the 5-year period between censuses, minimizing the revision to the year-to-year change in the ASM data. This resulted in modified annual shipments data and end-of year total inventories data for 1983 through 1986. These adjusted levels were then used as constraints in minimizing the revision to the month-to-month trend. A comparison of the published ASM shipments and inventories data with the estimates used for benchmarking is found in Appendix D.

Because the ASM does not include unfilled orders estimates, the end-of-year M3 unfilled orders data are ratio adjusted by the amount of the adjustment to the ASM shipments; these adjusted levels are then used as constraints in revising the interim month-to-month changes. The new orders series are derived as described in the preceding section on monthly estimation procedures.

Data for the benchmarking procedure described above are based on the 1972 SIC definitions. In order to convert the M3 historical data to 1987 SIC definitions, annual adjustments for shipments and inventories were estimated back to 1958, using historical ASM product and industry data, and CIR product data where available. A discussion of this procedure is also found in Appendix D.

The procedure for converting the end-of-year unfilled orders to the 1987 classifications was more judgmental. A proportion of the adjustment to annual shipments data used in converting to the 1987 classifications was added to the end-of-year unfilled order level for the prior year. This proportion was based on the average turnover rate of orders during the last quarter of the prior year. While this procedure is arbitrary, the attempt was to bring the effects of changes in the business cycles to the appropriate order backlog levels. This procedure is detailed in Appendix E.

Finally, the monthly rates of change in the shipments, inventories, and unfilled orders data were adjusted to

the 1987 SIC-based annual data. The monthly rates of change used in this final step are based on changes according to the 1972 classifications and are a source of an undetermined amount of error in the trend information; it was not possible to retabulate the reclassified monthly reports prior to 1987 as would have been the ideal approach.

The procedure for estimating new orders on a 1987 SIC basis is similar to that followed in calculating benchmark estimates on the 1972 basis, that is, the new orders were derived from the benchmarked shipments and change in the benchmarked unfilled orders estimates between the current and prior periods.

## DEFINITION OF TERMS

### Value of Shipments

The value of shipments data in the M3 survey represent net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. This is the same definition as that used in the ASM. However, the data reported in the two surveys frequently are not equal because of differences in the reporting unit as discussed earlier. For multiestablishment companies, the M3 reports typically are company or divisional level reports that encompass groups of plants. The data reported are usually net sales and receipts from customers and do not include the value of interplant transfers. The reported sales are used to calculate month-to-month changes which bring forward the universe estimates developed from the ASM.

In the annual survey, multiestablishment companies report value information for each plant as if it were a separate economic unit. Products are reported at their full economic value, that is, in addition to the cost of production, a reasonable proportion of company overhead and profits is included.

The value of products made elsewhere under contract from materials owned by the plant is also included as well as receipts for contract work performed for others, resales, miscellaneous activities such as the sale of scrap and refuse, installation and repair work performed by employees of the plant, and the receipts for research and development performed at the plant.

In the shipbuilding industry, the value of work done in a given year varies considerably from the value of shipments because of the long lead time between the start and completion of a large vessel. In the annual survey, the value of work done during the year, rather than the value of shipments, is included. The same procedure is followed for aircraft produced on a cost-plus contract. Aircraft produced on a fixed-price contract are reported in the usual manner when the products are shipped. Where value of work done is reported in place of shipments, the work-in-process inventories



are normally charged to the customer as costs are incurred and are not accumulated as finished goods inventories by the shipyard or the aircraft producer.

The value of shipments figures developed from the ASM contain duplication at the M3 industry category and higher level aggregates, since the products of some 4-digit SIC industries are used as materials by other industries within the same M3 industry aggregate. The significance of the duplication within the specific M3 industry categories varies depending on their 4-digit industry composition. It is most pronounced in a few highly integrated industry areas, such as primary metals and motor vehicles and parts.

## INVENTORIES

Inventories in the M3 survey are collected on a current cost or pre-lifo basis. Because different inventory valuation methods are reflected in the reported data, the estimates differ slightly, from replacement cost estimates. Companies using the lifo method for valuing inventories, report their pre-lifo value; that is, the adjustment to their base period prices is excluded.

In the ASM, inventories are collected according to this same definition. However, there are discontinuities in the historical data in both surveys. In the ASM, until 1982, respondents were asked to report their inventories at book values, that is according to whatever method they used for tax purposes (LIFO, FIFO, and so forth.) Because of this the value of aggregate inventories for an industry was not precise. Effective with the 1982 Census of Manufactures, instructions for reporting inventories were changed. LIFO users were asked to report inventories prior to the LIFO adjustment, and also to report the LIFO reserve and the LIFO value after adjustment for the reserve. Because of this change, the 1982 census data for inventories were published on both bases. Inventory data in subsequent ASMs are available only on a pre-LIFO basis, with no book value estimates comparable to the earlier data.

This change in instructions for reporting current cost inventories was carried to the monthly survey beginning in January 1987. The data for 1982 to 1987 in this report have been redefined (but not recollected) to a pre-LIFO or current cost basis. The procedure used in adjusting these monthly estimates from a book value basis to the

pre-LIFO levels used the pre-LIFO end-of-year levels from the ASM as constraints, and the same general procedure for minimizing revisions to the month-to-month change in the monthly book value data as described in the section on benchmarking methodology.

Inventory data are requested from respondents by stage of fabrication, that is, finished goods, work in process, and raw materials and supplies. There are several limitations to the quality of these data for two reasons. First, response to the stage of fabrication inquiries is lower than for total inventories because all companies do not keep their data monthly at this level of detail; those companies which do maintain detail records monthly, frequently do not have data for all three stages of fabrication or have quantity (physical volume) data only. Second, a product considered to be a finished good in one industry, such as steel mills shapes, may be reported as a raw material in another industry, such as stamping plants. Therefore, within the 2-digit major SIC groups the same type of inventory may be included under different stage of fabrication categories. Like total inventories, stage of fabrication inventories are also benchmarked to the ASM pre-LIFO data.

## NEW ORDERS RECEIVED AND UNFILLED ORDERS

New orders are net of order cancellations received during the month. They include orders received and filled during the month as well as orders received for future delivery. They also include the value of contract changes which increase or decrease the value of the unfilled orders to which they relate. Orders are defined to include those supported by binding legal documents such as signed contracts, letters of award, or letters of intent, although in some industries this definition may not be strictly applicable. In the case of letters of intent, the full amount of the sales value is included if the parties are in substantial agreement on the amount; otherwise, only the funds specifically authorized to be expended are included.

Unfilled orders include orders as defined above that have not been reflected as shipments. Generally, unfilled orders at the end of the reporting period are equal to unfilled orders at the beginning of the period plus net new orders received less net shipments.



Figure A.

**All Manufacturing Industries**  
**Shipments, Inventories, New and Unfilled Orders**  
**Seasonally Adjusted: January 1982 – December 1990**  
Billions of Dollars

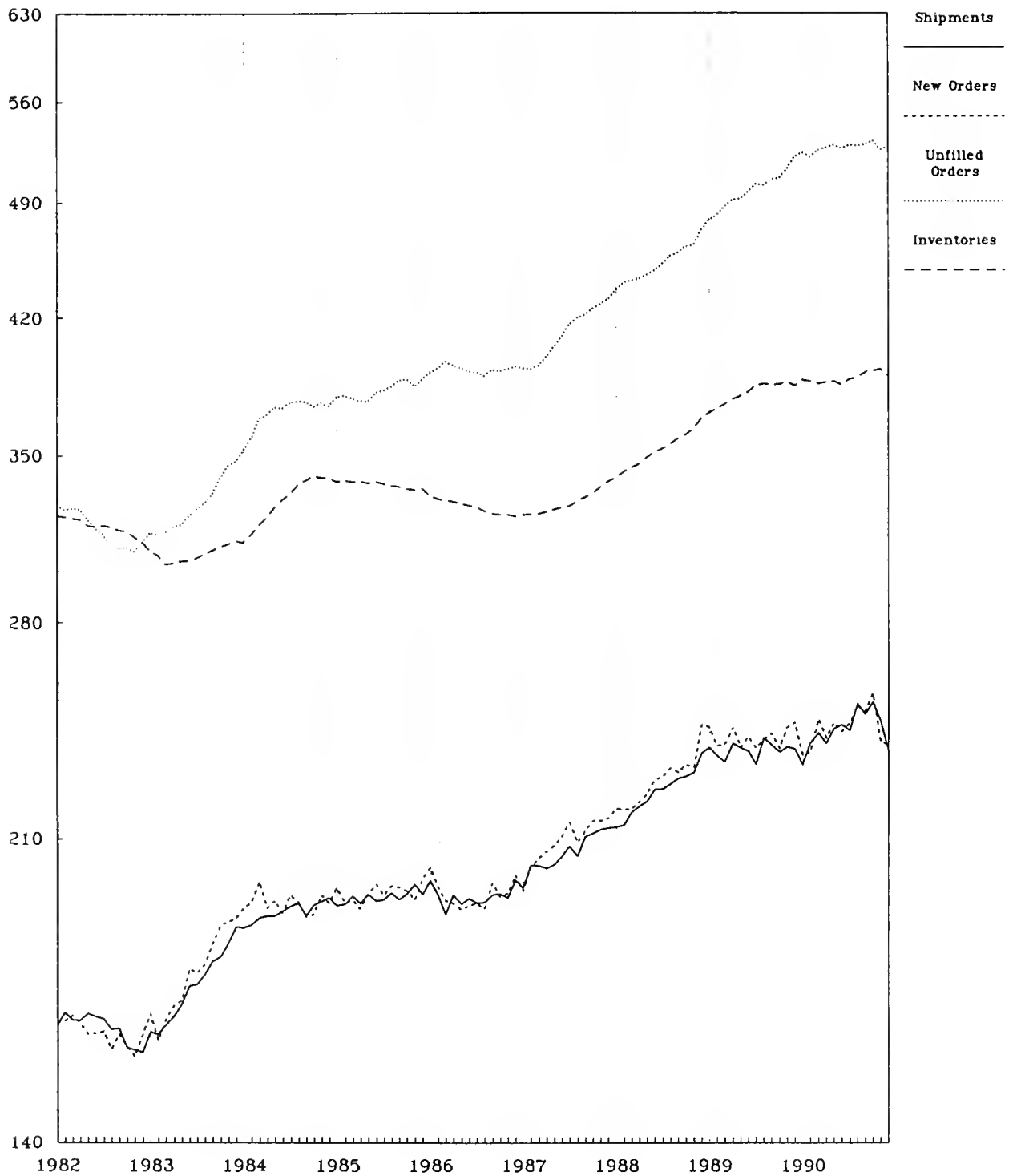




Figure B.

**Ratios of Unfilled orders to Shipments and  
Manufacturers' New Orders**  
**Seasonally Adjusted: January 1982 – December 1990**  
**Ratios**

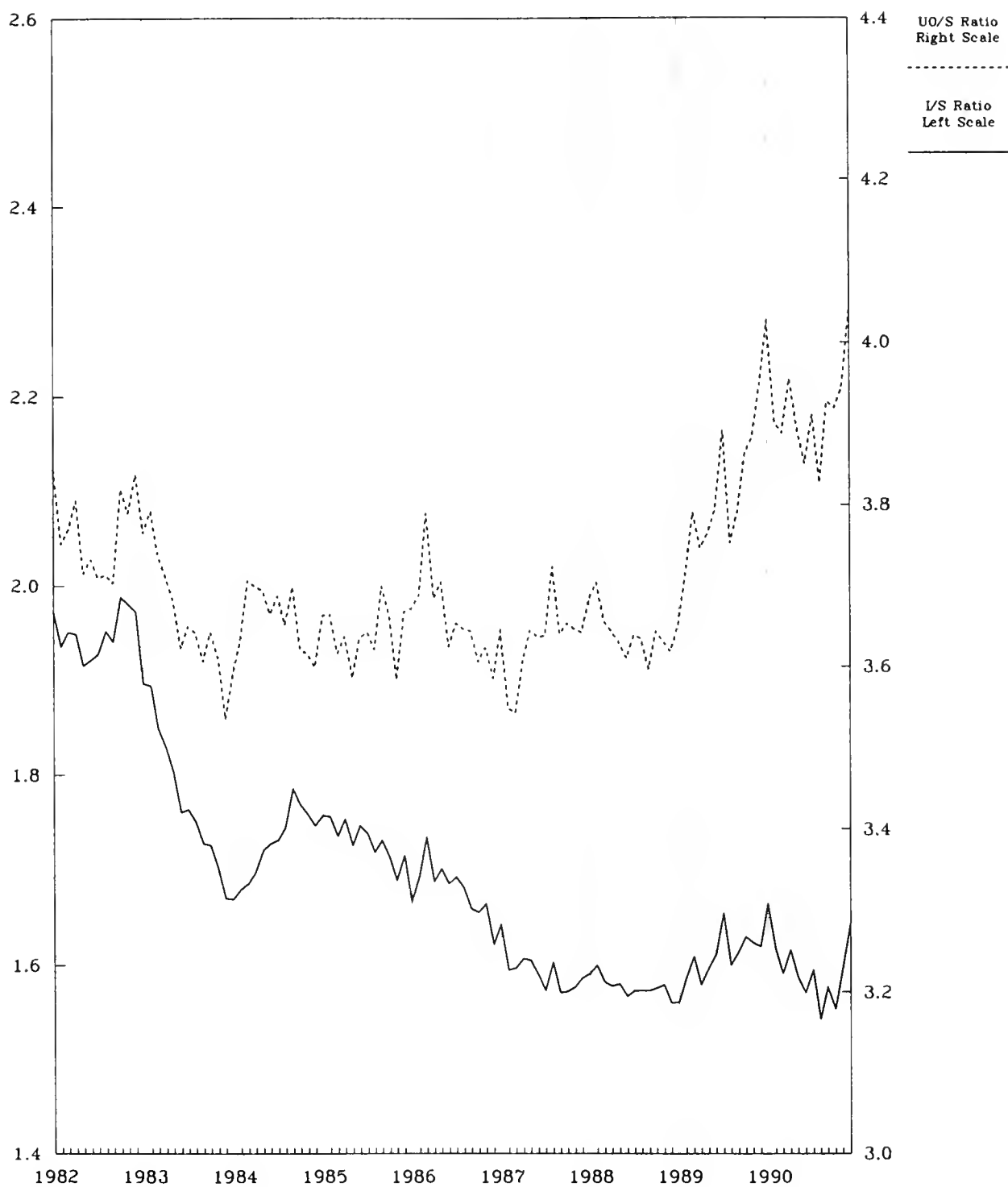




Figure C.  
**Manufacturers' Shipments**  
Seasonally Adjusted: January 1982 – December 1990  
Billions of Dollars

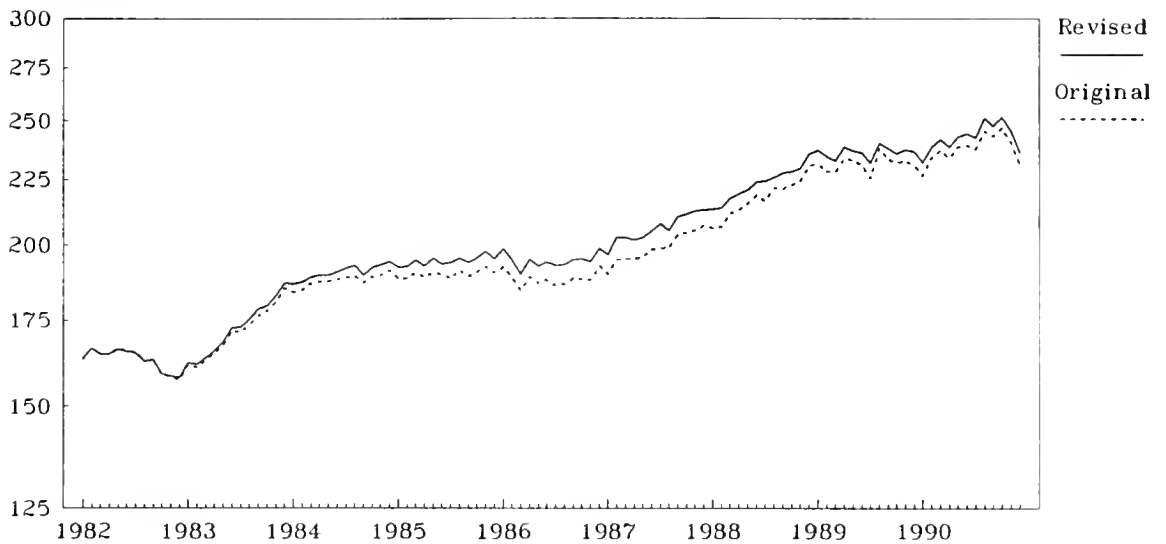


Figure D.  
**Manufacturers' New Orders**  
Seasonally Adjusted: January 1982 – December 1990  
Billions of Dollars

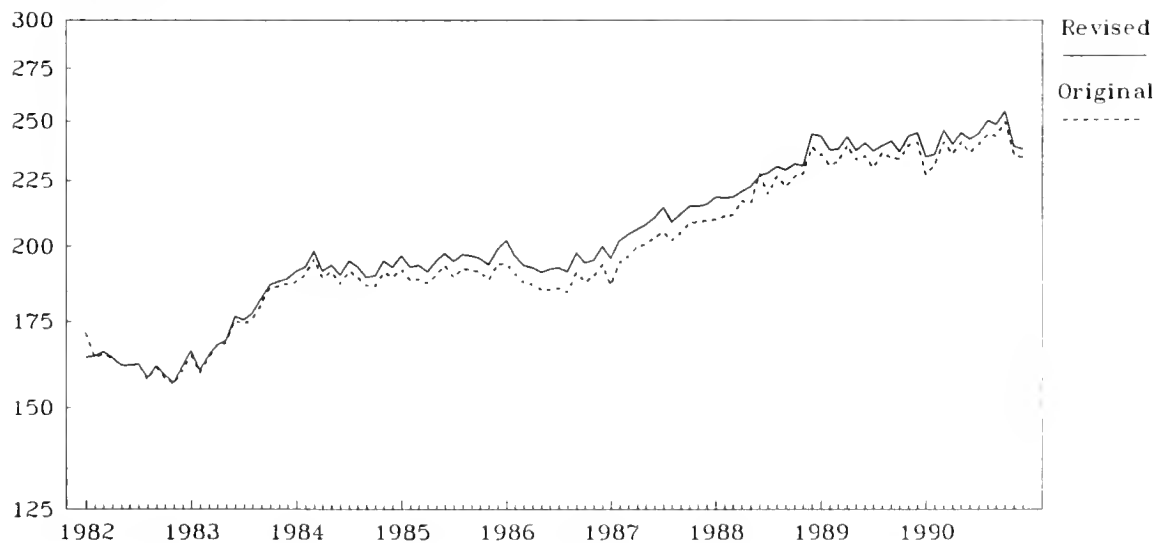




Figure E.  
**Manufacturers' Unfilled Orders**  
Seasonally Adjusted: January 1982 – December 1990  
Billions of Dollars

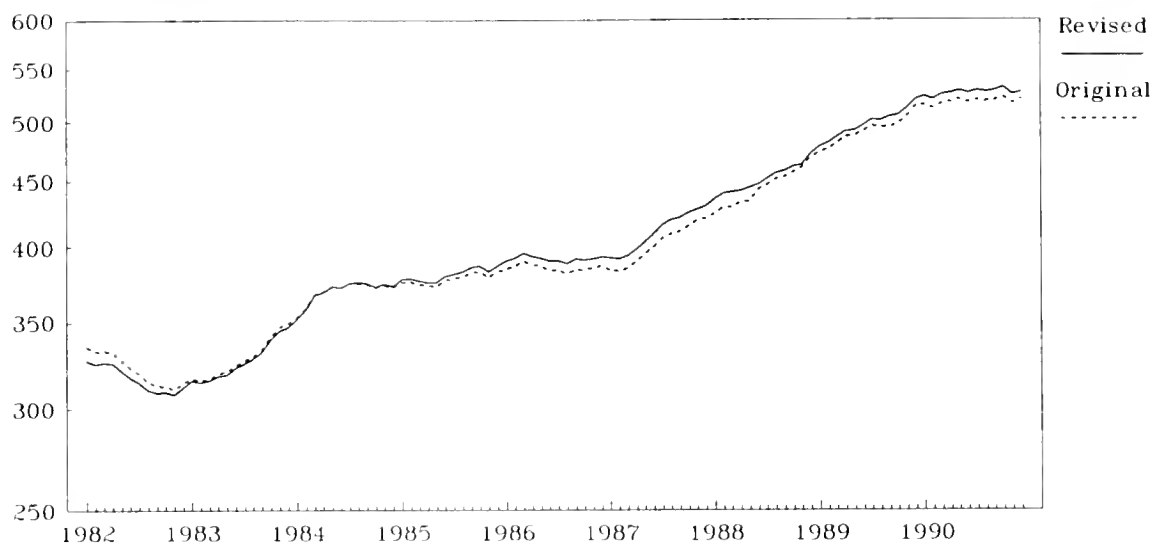


Figure F.  
**Manufacturers' Inventories**  
Seasonally Adjusted: January 1982 – December 1990  
Billions of Dollars

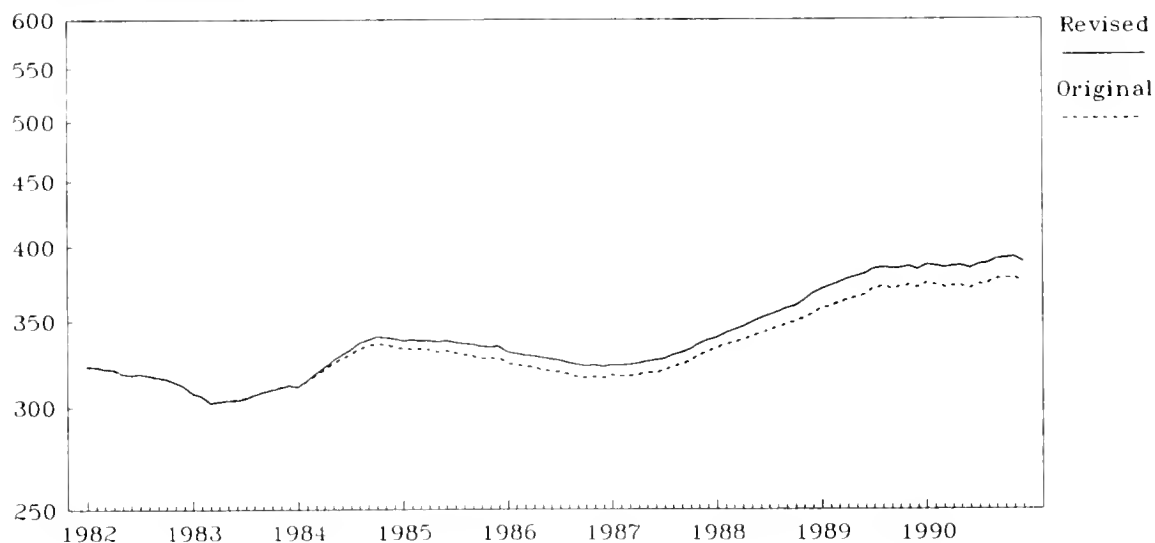




Table A. REVISIONS TO MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS: 1982-1990

(Millions of dollars)

Industry	As revised	As published	Percent revisions caused by:		Year-to-year percent change		
			SIC change	Bench-marking	As revised	As published	Without bench-marking
ANNUAL SHIPMENTS							
All manufacturing industries . . . . .	2,917.5	2,860.3	-	+ 2.0	+2.7	+ 2.8	+ 2.8
1989. . . . .	2,840.3	2,781.4	-	+ 2.1	+5.9	+6.5	+6.5
1988. . . . .	2,682.5	2,611.6	-	+ 2.7	+8.4	+9.3	+9.3
1987. . . . .	2,475.9	2,390.8	-	+ 3.6	+6.0	+5.7	+5.7
1986. . . . .	2,335.9	2,260.3	-	+ 3.3	+0.1	-0.9	+0.3
1985. . . . .	2,334.5	2,280.3	-	+ 2.4	+2.0	+ 1.1	+2.9
1984. . . . .	2,288.2	2,254.4	-	+ 1.5	+10.5	+9.7	+11.2
1983. . . . .	2,070.6	2,054.9	-	+0.8	+5.6	+4.8	+7.2
1982. . . . .	1,960.2	1,960.2	-	-	-2.8	-2.8	-5.4
Durable goods industries . . . . .	1,504.7	1,484.7	-0.2	+ 1.5	+0.7	+0.9	+0.9
1989. . . . .	1,494.4	1,472.0	-0.2	+ 1.7	+5.5	+6.0	+6.0
1988. . . . .	1,416.3	1,388.2	-0.2	+ 2.2	+9.1	+9.9	+9.9
1987. . . . .	1,297.5	1,263.4	-0.1	+ 2.8	+4.7	+5.3	+5.3
1986. . . . .	1,238.9	1,200.0	-0.2	+ 3.4	+1.9	+ 1.0	+2.1
1985. . . . .	1,215.4	1,188.2	-0.2	+ 2.5	+3.4	+2.5	+5.2
1984. . . . .	1,175.3	1,159.5	-0.2	+ 1.5	+14.6	+13.7	+16.0
1983. . . . .	1,025.8	1,019.5	-0.2	+0.8	+7.9	+7.1	+10.8
1982. . . . .	950.5	952.2	-0.2	+0.0	-5.4	-5.4	-8.6
Nondurable goods industries . . . . .	1,412.8	1,374.6	+0.2	+ 2.6	+5.0	+5.0	+5.0
1989. . . . .	1,345.9	1,309.3	+0.2	+ 2.6	+6.3	+7.0	+7.0
1988. . . . .	1,266.6	1,223.4	+0.2	+ 3.3	+7.5	+8.6	+8.6
1987. . . . .	1,178.3	1,126.6	+0.2	+ 4.4	+7.4	+6.2	+6.2
1986. . . . .	1,097.0	1,060.5	+0.2	+ 3.2	-2.0	-2.9	-1.7
1985. . . . .	1,119.1	1,092.0	+0.2	+ 2.3	+0.6	-0.3	+0.4
1984. . . . .	1,112.9	1,095.0	+0.2	+ 1.5	+6.5	+5.7	+6.5
1983. . . . .	1,044.8	1,035.4	+0.2	+0.7	+3.5	+2.7	+3.8
1982. . . . .	1,009.7	1,008.0	+0.2	-	-0.3	-0.3	-2.3
ANNUAL NEW ORDERS							
All manufacturing industries . . . . .	2,923.7	2,865.6	+0.1	+ 1.9	+ 1.2	+ 1.3	+ 1.3
1989. . . . .	2,889.1	2,827.4	+0.1	+ 2.1	+6.0	+6.3	+6.3
1988. . . . .	2,724.7	2,659.5	+0.1	+ 2.4	+8.4	+9.7	+9.7
1987. . . . .	2,512.6	2,423.6	+0.1	+ 3.6	+7.3	+7.1	+7.1
1986. . . . .	2,342.4	2,264.0	+0.1	+ 3.4	-0.3	-1.2	+0.0
1985. . . . .	2,348.5	2,291.0	+0.1	+ 2.5	+ 1.5	+0.6	+2.2
1984. . . . .	2,314.6	2,277.5	+0.1	+ 1.6	+9.9	+9.0	+10.6
1983. . . . .	2,105.4	2,089.5	-0.1	+0.8	+8.2	+7.3	+10.2
1982. . . . .	1,945.7	1,947.3	-0.1	-	-3.5	-3.3	-6.3
Durable goods industries . . . . .	1,511.5	1,492.1	-0.1	+ 1.4	-2.1	-1.8	-1.8
1989. . . . .	1,543.8	1,518.7	-0.1	+ 1.8	+5.9	+5.8	+5.8
1988. . . . .	1,457.7	1,435.6	-0.1	+ 1.6	+9.6	+11.0	+11.0
1987. . . . .	1,329.7	1,293.2	-0.1	+ 2.9	+6.9	+7.6	+7.6
1986. . . . .	1,243.8	1,202.0	-0.1	+ 3.6	+ 1.3	+0.3	+1.5
1985. . . . .	1,228.3	1,198.1	-0.1	+ 2.6	+2.2	+ 1.3	+3.7
1984. . . . .	1,202.0	1,183.0	-0.1	+ 1.7	+13.6	+12.5	+14.8
1983. . . . .	1,057.7	1,051.2	-0.3	+0.9	+12.9	+11.8	+16.8
1982. . . . .	936.8	940.1	-0.4	-	-6.7	-6.3	-10.2
Nondurable goods industries . . . . .	1,412.2	1,373.5	+0.2	+ 2.6	+5.0	+5.0	+5.0
1989. . . . .	1,345.3	1,308.7	+0.2	+ 2.6	+6.2	+6.9	+6.9
1988. . . . .	1,267.0	1,223.9	+0.2	+ 3.3	+7.1	+8.3	+8.3
1987. . . . .	1,182.9	1,130.4	+0.2	+ 4.4	+7.7	+6.4	+6.4
1986. . . . .	1,098.7	1,062.0	+0.2	+ 3.3	-1.9	-2.8	-1.7
1985. . . . .	1,120.2	1,092.9	+0.2	+ 2.3	+0.7	-0.1	+0.5
1984. . . . .	1,112.6	1,094.5	+0.2	+ 1.5	+6.2	+5.4	+6.3
1983. . . . .	1,047.8	1,038.3	+0.2	+0.7	+3.8	+3.1	+4.1
1982. . . . .	1,008.9	1,007.2	+0.2	-	-0.3	-0.3	-2.3



Table A. REVISIONS TO MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS: 1982-1990—Con.

(Millions of dollars)

Industry	As revised	As published	Percent revisions caused by:		Year-to-year percent change		
			SIC change	Bench-marking	As revised	As published	Without bench-marking
END-OF-YEAR UNFILLED ORDERS							
All manufacturing industries..1990..	524.1	516.3	-0.5	+2.0	+1.2	+1.2	+1.2
1989..	517.8	509.9	-0.5	+2.0	+10.4	+9.9	+9.9
1988..	469.0	463.9	-1.2	+2.3	+9.8	+11.5	+11.5
1987..	427.2	416.0	+0.4	+2.3	+9.4	+8.8	+8.8
1986..	390.4	382.4	-0.1	+2.2	+1.7	+1.0	+0.4
1985..	383.9	378.8	-0.3	+1.6	+3.8	+2.9	+2.4
1984..	369.8	368.0	-0.5	+1.0	+7.7	+6.9	+7.5
1983..	343.5	344.9	-0.9	+0.5	+11.3	+11.1	+11.5
1982..	308.6	310.4	-0.6	-	-4.5	-	-6.7
Durable goods industries .....							
1990..	504.1	498.0	-0.6	+1.8	+1.4	+1.5	+1.5
1989..	497.3	490.6	-0.6	+2.0	+11.0	+10.5	+10.5
1988..	447.9	444.0	-1.2	+2.1	+10.2	+12.0	+12.0
1987..	406.4	396.6	+0.4	+2.1	+8.6	+8.1	+8.1
1986..	374.3	366.8	-0.1	+2.1	+1.3	+0.6	+0.2
1985..	369.4	364.7	-0.2	+1.5	+3.6	+2.8	+2.3
1984..	356.4	354.8	-0.6	+1.0	+8.1	+7.1	+8.0
1983..	329.8	331.3	-1.0	+0.5	+10.7	+10.6	+11.3
1982..	297.9	299.6	-0.6	-	-4.4	-	-6.7
Nondurable goods industries.....							
1990..	19.9	18.3	-0.2	+8.9	-2.9	-5.3	-5.3
1989..	20.5	19.3	-0.2	+6.4	-2.8	-3.7	-3.7
1988..	21.1	20.0	-0.2	+6.2	+1.9	+2.8	+2.8
1987..	20.7	19.4	-0.2	+6.9	+28.3	+24.4	+24.4
1986..	16.2	15.6	-0.1	+3.6	+11.5	+10.7	+6.2
1985..	14.5	14.1	-0.1	+2.8	+8.2	+7.1	+5.6
1984..	13.4	13.2	-0.1	+1.7	-2.4	-3.2	-5.8
1983..	13.7	13.6	-0.0	+0.8	+27.3	+26.2	+18.5
1982..	10.8	10.8	-0.1	-	-6.5	-	-9.1
END-OF-YEAR INVENTORIES							
All manufacturing industries..1990..	382.1	368.4	-	+3.7	+1.3	+1.0	1.0
1989..	377.2	364.8	-	+3.4	+4.3	+4.6	+4.6
1988..	361.5	348.5	-	+3.7	+8.7	+7.0	+7.0
1987..	332.6	325.7	-	+2.1	+4.7	+4.7	+4.7
1986..	317.6	311.1	-	+2.1	-3.6	-3.5	-2.3
1985..	329.6	322.4	-	+2.2	-1.4	-2.2	-1.4
1984..	334.2	329.6	-	+1.4	+8.6	+7.0	+9.5
1983..	307.7	308.0	-	-0.1	+0.2	+0.3	+0.3
1982..	307.2	307.2	-	-	(NA)	(NA)	-6.3
Durable goods industries .....							
1990..	247.6	239.5	-0.1	+3.5	-0.2	-0.8	-0.8
1989..	248.0	241.3	-0.1	+2.9	+4.9	+5.4	+5.4
1988..	236.5	229.0	-0.1	+3.3	+9.3	+7.9	+7.9
1987..	216.3	212.3	-0.1	+2.0	+4.1	+3.9	+3.9
1986..	207.9	204.2	-0.1	+1.9	-2.9	-2.7	-2.9
1985..	214.0	209.9	-0.1	+2.1	-1.4	-2.2	-1.1
1984..	217.0	214.5	-0.2	+1.4	+10.7	+9.1	11.3
1983..	196.0	196.6	-0.2	-0.1	-0.3	-0.2	-2.1
1982..	196.7	197.0	-0.2	-	(NA)	(NA)	(NA)
Nondurable goods industries.....							
1990..	134.5	128.9	+0.3	+4.0	+4.1	+4.4	+4.4
1989..	129.2	123.5	+0.3	+4.3	+3.4	+3.4	+3.4
1988..	125.0	119.4	+0.3	+4.3	+7.5	+5.3	+5.3
1987..	116.3	113.4	+0.3	+2.2	+6.0	+6.1	+6.1
1986..	109.7	106.9	+0.3	+2.3	-5.1	-5.0	-1.0
1985..	115.6	112.5	+0.3	+2.4	-1.4	-2.2	-2.1
1984..	117.2	115.1	+0.3	+1.5	+4.9	+3.3	+6.0
1983..	111.7	111.4	+0.3	-0.1	+1.0	+1.1	-0.9
1982..	110.5	110.2	+0.3	-	(NA)	(NA)	(NA)

- Represents no change. (NA) Not available due to noncomparability.



Table B. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS MONTHLY PERCENT CHANGES: 1990

(Based on seasonally adjusted data)

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>SHIPMENTS</b>												
All manufacturing . . . . .As revised. .	-2.0	+2.9	+1.3	-1.4	+1.9	+0.6	-0.8	+3.6	-1.4	+1.6	-2.4	-3.8
As published. .	-1.9	+3.4	+1.2	-1.3	+2.0	+0.3	-0.7	+3.3	-1.0	+1.5	-2.5	-3.9
Durable goods . . . . .As revised. .	-4.8	+5.4	+1.3	-2.3	+3.2	+1.0	-2.0	+3.1	-3.6	+1.5	-3.9	-3.4
As published. .	-4.3	+5.6	+1.5	-2.4	+3.7	+0.7	-1.7	+2.8	-3.4	+1.5	-3.8	-3.8
Primary metals . . . . .As revised. .	+3.2	-1.8	+2.1	-0.6	-	+1.0	+2.4	-0.4	-1.5	+1.9	-4.8	-2.3
As published. .	+3.1	-1.0	+2.0	-0.8	+1.5	-0.4	+3.4	-1.0	-1.3	+1.5	-4.8	-2.1
Industrial machinery and equipment . . . . .As revised. .	-0.8	-0.6	+3.8	-4.3	+0.1	+0.8	-3.2	+3.9	-1.1	+2.9	-0.9	-1.6
As published. .	-	+1.1	+2.9	-4.5	+0.1	+0.1	-3.9	+5.9	-1.2	+1.9	-0.1	-3.0
Electronic and other electrical machinery . . . . .As revised. .	-0.1	+2.9	-1.8	-1.1	+4.0	-2.1	+1.0	-0.3	-1.5	+3.0	-0.9	-1.9
As published. .	-4.5	+3.5	-1.7	-0.2	+2.2	-0.2	-	-1.0	+0.8	-	+0.5	-1.0
Transportation equipment . . . . .As revised. .	-19.1	+23.2	+3.1	-3.3	+6.2	+5.7	-6.2	+8.8	-9.6	+1.7	-9.9	-9.1
As published. .	-16.5	+21.3	+4.2	-4.1	+8.5	+3.8	-4.6	+7.4	-9.8	+3.2	-10.4	-10.6
Capital good industries:												
Nondefense . . . . .As revised. .	-	+4.2	-2.5	-1.8	+0.1	+3.5	-3.6	+4.0	-0.2	+0.7	-1.6	+1.9
As published. .	+0.6	+4.7	-1.8	-2.4	-	+3.8	-4.2	+4.6	-0.3	-0.1	-1.8	+0.9
Nondefense, excluding aircraft . . . . .As revised. .	-1.5	+1.0	+1.4	-3.8	+0.6	+1.0	-3.5	+3.1	-0.5	+3.4	-2.5	-0.5
As published. .	-2.0	+2.7	+2.2	-4.4	+0.3	+1.4	-4.3	+4.0	-0.1	+1.3	-1.9	-0.4
Defense . . . . .As revised. .	-6.8	-4.4	+6.6	-0.1	+4.5	-2.6	+0.1	+0.9	-5.0	+2.7	+1.5	-2.7
As published. .	-13.3	-3.9	+8.1	+1.2	+2.9	-0.9	-1.6	+1.7	-2.2	-1.5	+5.2	-3.8
Nondurable goods . . . . .As revised. .	+1.2	+0.2	+1.3	-0.4	+0.5	+0.1	+0.7	+4.2	+0.9	+1.7	-0.9	-4.2
As published. .	+0.9	+1.2	+0.9	-	+0.1	-0.2	+0.5	+3.8	+1.7	+1.5	-1.1	-4.1
<b>NEW ORDERS</b>												
All manufacturing . . . . .As revised. .	-4.3	+0.5	+4.4	-2.5	+2.1	-1.2	+1.1	+2.3	-0.6	+2.4	-6.2	-0.4
As published. .	-5.5	+1.8	+4.0	-2.1	+2.2	-1.9	+1.6	+1.7	-0.2	+2.6	-5.8	-0.5
Durable goods . . . . .As revised. .	-8.8	+0.9	+7.0	-4.1	+3.4	-2.2	+1.8	-0.3	-1.6	+3.1	-11.2	+3.5
As published. .	-10.5	+2.4	+6.7	-4.1	+4.2	-3.1	+2.7	-0.9	-1.6	+3.6	-10.2	+3.1
Primary metals . . . . .As revised. .	+1.6	-5.0	+9.6	-2.3	+1.0	-1.6	+2.5	-1.5	-1.8	+5.5	-11.6	-6.5
As published. .	+4.2	-4.2	+8.0	-1.6	+2.5	-3.3	+2.7	-2.5	-0.9	+4.9	-10.1	-8.4
Industrial machinery and equipment . . . . .As revised. .	+5.8	-2.0	+0.9	-3.7	+2.8	-2.1	+4.5	-6.0	+6.3	-2.2	+0.4	-6.8
As published. .	+3.2	-0.6	-	-3.7	+3.6	-2.2	+3.5	-5.3	+5.7	-1.3	-0.6	-8.0
Electronic and other electrical machinery . . . . .As revised. .	-2.4	-1.0	-2.7	+1.3	+5.6	-2.5	-2.5	+4.5	-6.7	+8.0	-8.1	+10.5
As published. .	-14.9	+2.8	-1.7	+4.4	+1.4	-3.5	+1.5	+2.0	-7.0	+3.4	-7.2	+14.5
Transportation equipment . . . . .As revised. .	-30.9	+11.7	+21.8	-11.4	+6.0	-4.0	+3.0	+2.9	-6.5	+11.8	-26.9	+18.2
As published. .	-29.4	+10.1	+24.1	-13.2	+10.2	-6.3	+4.6	+1.0	-6.1	+14.1	-25.3	+13.2
Capital good industries:												
Nondefense . . . . .As revised. .	-13.0	-8.2	+13.9	-10.5	-2.0	+1.9	+8.5	-10.4	+8.9	+8.1	-17.0	+24.9
As published. .	-13.6	-5.9	+13.3	-10.6	-1.8	+0.7	+10.1	-10.0	+6.8	+8.7	-14.1	+17.8
Nondefense, excluding aircraft . . . . .As revised. .	-1.0	-1.7	-1.8	-0.4	+0.6	+0.3	+0.5	-3.8	+4.4	+3.5	-8.3	+4.8
As published. .	-4.1	+2.2	-1.1	-1.1	+0.1	-1.1	+2.7	-3.4	+2.7	+2.7	-6.2	+1.5
Defense . . . . .As revised. .	-15.1	+0.6	+13.6	-1.6	+16.9	-22.3	+0.8	+9.1	-8.9	-3.0	-32.9	+35.7
As published. .	-33.6	+18.3	+4.5	+4.8	+19.9	-21.8	-5.1	+12.0	-6.1	-8.3	-26.9	+51.6
Nondurable goods . . . . .As revised. .	+1.1	+0.1	+1.6	-0.6	+0.6	-	+0.3	+5.1	+0.4	+1.6	-0.9	-4.1
As published. .	+0.6	+1.2	+1.1	+0.2	-0.1	-0.4	+0.2	+4.7	+1.3	+1.5	-1.0	-3.9
<b>UNFILLED ORDERS</b>												
All manufacturing . . . . .As revised. .	+0.5	-0.5	+0.9	+0.3	+0.4	-0.4	+0.4	-0.2	+0.2	+0.6	-1.2	+0.3
As published. .	+0.2	-0.5	+0.7	+0.3	+0.4	-0.6	+0.5	-0.3	+0.1	+0.6	-1.0	+0.6
Durable goods . . . . .As revised. .	+0.5	-0.5	+0.9	+0.3	+0.4	-0.4	+0.6	-0.3	+0.2	+0.6	-1.3	+0.3
As published. .	+0.2	-0.5	+0.8	+0.3	+0.5	-0.5	+0.6	-0.3	+0.1	+0.7	-1.0	+0.6
Primary metals . . . . .As revised. .	-0.1	-1.7	+1.9	+0.9	+1.5	+0.2	+0.2	-0.4	-0.5	+1.2	-2.3	-4.2
As published. .	+0.5	-1.1	+1.8	+1.3	+1.8	+0.3	-	-0.8	-0.5	+1.1	-1.7	-4.6
Industrial machinery and equipment . . . . .As revised. .	+0.7	+0.1	-0.9	-0.7	+0.3	-0.8	+2.0	-1.6	+1.0	-0.9	-0.4	-2.4
As published. .	+0.4	-0.2	-1.3	-0.9	+0.3	-0.5	+2.2	-1.9	+0.6	-0.6	-0.8	-2.6
Electronic and other electrical machinery . . . . .As revised. .	+1.0	-0.3	-0.6	+0.2	+0.7	+0.5	-0.7	+0.9	-0.9	+0.7	-1.9	+2.2
As published. .	-0.6	-0.7	-0.7	+0.3	+0.1	-0.6	-0.3	+0.3	-1.4	-0.7	-2.4	+0.8
Transportation equipment . . . . .As revised. .	+0.7	-0.3	+1.8	+0.6	+0.6	-0.6	+0.6	-0.1	+0.3	+1.5	-0.9	+1.8
As published. .	+0.7	-0.4	+1.9	+0.5	+0.8	-0.5	+0.6	-0.1	+0.4	+1.7	-0.5	+1.9
Capital good industries:												
Nondefense . . . . .As revised. .	+1.5	-0.3	+2.0	+0.5	+0.3	+0.1	+1.7	-0.4	+0.8	+1.9	-0.5	+2.4
As published. .	+1.4	-0.3	+2.0	+0.5	+0.3	-0.2	+2.0	-0.3	+0.7	+2.1	-0.1	+2.3
Nondefense, excluding aircraft . . . . .As revised. .	+0.6	-0.2	-1.2	-0.1	-0.1	-0.3	+0.9	-1.1	+0.3	+0.3	-1.5	-
As published. .	+0.1	-0.1	-1.2	-	-0.1	-1.0	+1.4	-1.0	-0.1	+0.4	-1.2	-0.5
Defense . . . . .As revised. .	-0.7	-0.4	-0.2	-0.2	+0.4	-0.8	-0.8	-0.4	-0.6	-0.9	-2.5	-1.3
As published. .	-1.2	-0.3	-0.5	-0.3	+0.6	-0.7	-0.9	-0.5	-0.7	-1.0	-2.5	-0.6



**Table B. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS MONTHLY PERCENT CHANGES:**  
**1990—Con.**

(Based on seasonally adjusted data)

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Nondurable goods .....												
As revised. .	-0.4	-0.8	+0.9	-0.2	+0.3	-0.5	-2.7	+2.5	-0.2	-0.8	-0.4	-0.1
As published. .	-1.6	-1.4	-0.1	+1.0	+0.1	-1.5	-3.1	+1.8	-0.2	-0.7	-0.6	+0.3
TOTAL INVENTORIES												
All manufacturing .....												
As revised. .	+0.7	-0.1	-0.3	+0.2	+0.2	-0.5	+0.7	+0.2	+0.8	+0.1	+0.2	-0.9
As published. .	+0.8	-0.3	-0.4	+0.2	-	-0.5	+0.7	+0.3	+0.7	+0.1	+0.2	-0.9
Durable goods .....												
As revised. .	+0.7	-0.2	-0.6	+0.5	+0.1	-0.7	+0.7	+0.1	+0.2	-0.1	+0.5	-1.4
As published. .	+0.8	-0.5	-0.7	+0.5	-	-0.7	+0.6	+0.1	+0.1	-	+0.4	-1.3
Primary metals .....												
As revised. .	-0.5	+0.6	-1.7	+0.6	-	+1.3	+1.1	+1.4	+1.2	+0.1	-0.3	+0.5
As published. .	-0.2	+0.2	-1.6	+0.4	-0.1	+1.5	+1.1	+1.6	+1.2	+0.1	-0.1	+0.5
Industrial machinery and equipment .....												
As revised. .	+0.5	+0.2	-1.2	+0.5	+0.4	-1.3	+0.4	-	+0.3	-0.1	+0.2	-1.6
As published. .	+0.6	-0.1	-1.2	+0.5	+0.3	-1.2	+0.3	+0.1	+0.2	-0.4	+0.1	-1.5
Electronic and other electrical machinery ..												
As revised. .	+0.3	-0.1	-0.4	-0.1	-0.3	-0.6	+0.7	-0.4	-0.4	-0.4	-0.1	-1.7
As published. .	+0.6	-0.3	-0.9	-0.1	-0.5	-0.7	+0.1	-0.3	-0.2	-0.1	-0.3	-1.9
Transportation equipment .....												
As revised. .	+0.9	-0.8	-0.4	+1.2	+0.6	-1.0	+1.3	+0.5	-	-0.4	+2.2	-1.9
As published. .	+1.3	-0.9	-0.3	+1.2	+0.4	-1.0	+1.5	-0.5	-0.3	-	+1.7	-1.8
Capital good industries:												
Nondefense .....												
As revised. .	+0.5	-0.7	-0.5	+0.4	+0.4	-1.4	+1.1	-0.5	+0.5	-0.1	+0.5	-1.0
As published. .	+0.5	-0.8	-0.7	+0.4	+0.2	-1.2	+0.9	-0.3	+0.3	-0.1	+0.5	-1.0
Nondefense, excluding aircraft .....												
As revised. .	+0.7	-	-1.3	+0.2	+0.2	-1.7	+0.9	+0.1	-0.2	-0.7	-0.2	-1.7
As published. .	+0.6	-0.3	-1.5	+0.2	-0.1	-1.4	+0.7	+0.3	-0.3	-0.7	-	-1.7
Defense .....												
As revised. .	+0.8	+0.7	-0.4	+0.7	-	-0.6	-0.6	+0.9	-0.7	-0.6	+1.3	-5.2
As published. .	+1.8	+0.5	-0.7	+0.7	-0.3	-0.7	-0.5	+0.8	-1.0	-0.2	+1.0	-4.7
Nondurable goods .....												
As revised. .	+0.7	+0.2	+0.1	-0.5	+0.3	-0.1	+0.8	+0.5	+1.8	+0.5	-0.3	-
As published. .	+0.8	+0.2	+0.2	-0.5	+0.1	-0.1	+0.8	+0.6	+1.9	+0.4	-0.2	+0.1

- Represents zero.







Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
ALL MANUFACTURING INDUSTRIES, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	150 847	166 855	172 981	165 082	167 982	175 936	153 207	161 304	171 797	163 456	157 087	153 680	490 683	509 000	486 308	474 223	1 960 214
1983 ---	149 062	161 943	171 703	165 896	170 187	183 810	160 372	173 542	187 919	184 217	181 082	180 831	482 708	519 893	521 833	546 130	2 070 564
1984 ---	171 449	187 764	198 468	190 202	191 639	203 130	177 365	190 148	199 883	197 200	191 645	189 291	557 681	584 971	567 396	578 136	2 288 184
1985 ---	176 280	193 114	204 654	193 377	196 907	205 851	178 682	192 605	204 578	200 520	196 548	191 340	574 048	596 135	575 865	588 408	2 334 456
1986 ---	182 040	195 480	199 610	195 549	193 668	206 745	176 952	190 029	206 473	200 994	193 160	195 181	577 130	595 962	573 454	589 335	2 335 881
1987 ---	179 746	203 216	213 085	202 395	203 983	218 507	190 642	202 627	223 108	217 869	211 372	209 356	596 047	624 885	616 377	638 597	2 475 906
1988 ---	194 878	214 218	228 862	220 008	222 346	238 904	205 085	222 794	241 052	235 181	228 146	231 018	637 958	681 258	668 931	694 345	2 682 492
1989 ---	216 744	234 718	244 749	239 337	238 860	251 816	212 174	237 247	252 264	243 034	235 810	233 511	696 211	730 013	701 685	712 355	2 840 264
1990 ---	211 414	237 972	254 349	238 966	245 007	260 400	220 930	248 339	262 422	259 185	244 210	234 271	703 735	744 373	731 691	737 666	2 917 465
Seasonally Adjusted—Millions of Dollars																	
1982 ---	163 707	166 612	164 988	164 859	166 432	165 717	165 233	162 903	163 222	159 113	158 510	158 086	495 307	497 008	491 358	475 709	(X)
1983 ---	162 379	161 854	163 814	165 807	168 480	172 832	173 081	175 362	178 542	179 565	182 836	186 873	488 047	507 119	526 985	549 274	(X)
1984 ---	186 652	187 396	189 118	189 710	189 700	190 858	192 119	192 892	189 659	192 410	193 286	194 288	563 166	570 274	574 670	579 984	(X)
1985 ---	192 272	192 602	194 762	192 779	195 322	193 441	193 785	195 540	193 798	195 291	197 824	195 155	579 636	581 542	583 123	588 270	(X)
1986 ---	198 823	194 945	189 986	194 982	192 610	194 100	192 942	193 070	195 001	195 251	194 227	198 913	583 754	581 692	581 013	588 391	(X)
1987 ---	196 799	202 827	208 785	202 019	202 966	205 267	208 010	205 414	210 752	211 558	212 818	213 216	602 411	610 252	624 176	637 592	(X)
1988 ---	213 447	214 091	217 726	219 420	220 948	224 288	224 561	225 979	227 697	228 288	229 702	235 635	645 264	664 656	678 237	693 625	(X)
1989 ---	237 389	234 741	232 849	238 719	237 181	236 281	232 151	240 462	238 138	235 933	237 553	236 856	704 979	712 181	710 751	710 342	(X)
1990 ---	232 180	238 812	241 975	238 663	243 214	244 602	242 754	251 502	247 916	251 953	245 827	236 575	712 967	726 479	742 172	734 355	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.2	1.8	-1.0	-1	1.0	-4	-3	-1.4	.2	-2.5	-4	-3	.5	3	-1.1	-3.2	(X)
1983 ---	2.7	-3	1.2	1.2	1.6	2.6	.1	1.3	1.8	.6	1.8	2.2	2.6	3.9	3.9	4.2	(X)
1984 ---	-1	4	9	3	-	6	7	4	-1.7	1.5	5	5	2.5	1.3	8	9	(X)
1985 ---	-1.0	2	1.1	-1.0	1.3	-1.0	2	9	-9	.8	1.3	-1.3	-1	3	3	9	(X)
1986 ---	1.9	-2.0	-2.5	2.6	-1.2	8	-6	1	1.0	1	-5	2.4	-8	1	-1	1.3	(X)
1987 ---	-1.1	3.1	-	-4	.5	1.1	1.3	-1.2	2.6	4	6	2	2.4	1.3	2.3	2.1	(X)
1988 ---	.1	.3	1.7	.8	.7	1.5	1	6	8	.3	6	2.6	1.2	3.0	2.0	2.3	(X)
1989 ---	7	-1.1	-8	2.5	-6	-4	-1.7	3.6	-1.0	-9	7	-3	1.6	1.0	-2	-1	(X)
1990 ---	-2.0	2.9	1.3	-1.4	1.9	6	-8	3.6	-1.4	1.6	-2.4	-3.8	4	1.9	2.2	-1.1	(X)
ALL MANUFACTURING INDUSTRIES WITH UNFILLED ORDERS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	77 834	87 561	91 836	85 978	86 964	90 376	77 217	81 983	87 821	83 382	80 790	80 226	257 231	263 318	247 021	244 398	1 011 968
1983 ---	76 345	83 508	89 590	85 815	87 120	94 975	81 251	88 420	97 004	95 976	94 939	96 920	249 443	267 910	266 675	287 835	1 071 863
1984 ---	89 353	99 096	105 025	99 732	101 218	108 501	92 653	100 749	107 197	105 829	103 244	103 649	293 474	309 451	300 599	312 722	1 216 246
1985 ---	93 580	103 629	110 650	102 954	104 629	111 751	95 017	103 367	110 727	108 648	106 672	106 387	307 859	319 334	309 111	321 707	1 258 011
1986 ---	96 059	106 641	110 862	106 288	105 466	115 264	96 793	104 259	114 464	111 650	108 328	111 145	313 562	327 018	315 516	331 123	1 287 219
1987 ---	96 888	110 417	118 034	109 718	110 166	120 402	103 247	110 544	123 535	119 874	117 279	119 567	325 339	340 286	337 326	356 720	1 359 671
1988 ---	106 173	118 565	128 084	120 527	121 799	132 697	111 603	122 960	135 996	130 424	127 452	131 854	352 822	375 023	370 559	389 730	1 488 134
1989 ---	117 647	129 222	136 549	130 394	130 242	140 311	115 785	130 958	142 340	134 867	131 764	133 960	383 418	400 947	389 083	400 591	1 574 039
1990 ---	116 396	132 713	143 617	132 231	135 378	146 364	120 925	135 172	144 081	139 588	133 111	133 076	392 726	413 973	400 178	405 775	1 612 652
Seasonally Adjusted—Millions of Dollars																	
1982 ---	85 088	86 694	86 573	85 574	86 470	85 083	84 869	83 637	83 517	81 007	81 288	81 274	258 355	257 127	252 023	243 569	(X)
1983 ---	83 854	82 969	84 519	85 779	86 693	89 192	89 267	90 154	92 129	93 296	95 605	98 260	251 342	261 664	271 550	287 161	(X)
1984 ---	98 092	98 547	99 102	99 814	100 968	101 650	101 856	102 906	101 525	103 041	103 708	103 796	295 741	302 432	306 287	310 545	(X)
1985 ---	103 222	103 290	104 317	103 367	104 806	104 570	104 700	105 800	104 460	105 719	106 927	105 568	310 829	312 743	314 960	318 214	(X)
1986 ---	106 419	106 491	104 583	106 961	105 976	107 824	106 919	106 616	107 556	108 478	108 246	109 764	317 493	320 761	321 091	326 488	(X)
1987 ---	107 766	110 560	111 288	110 579	110 884	112 655	114 469	112 854	115 876	116 431	117 337	118 228	329 614	334 118	343 199	351 996	(X)
1988 ---	118 295	118 877	120 686	121 476	122 476	123 990	124 071	125 514	127 344	126 715	127 567	130 483	357 858	367 942	376 929	384 765	(X)
1989 ---	130 990	129 732	128 454	131 317	130 774	130 926	129 009	133 637	133 172	130 988	131 988	131 938	389 176	393 017	395 818	394 914	(X)
1990 ---	129 998	133 481	135 015	133 183	135 750	136 771	135 270	137 971	134 730	135 793	133 295	130 473	398 494	405 704	407 971	399 561	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.7	1.9	-1	-1.2	1.0	-1.6	-3	-1.5	-1	-3.0	3	-	1	-5	-2.0	-3.4	(X)
1983 ---	3.2	-1.1	1.9	1.5	1.1	2.9	1	1.0	2.2	1.3	2.5	2.8	3.2	4.1	3.8	5.7	(X)
1984 ---	-2	.5	6	7	1.2	7	2	1.0	-1.3	1.5	6	1	3.0	2.3	1.3	1.4	(X)
1985 ---	-6	1	1.0	-9	1.4	-2	1	1.1	-1.3	1.2	1.1	-1.3	1	6	7	1.0	(X)
1986 ---	8	1	-1.8	2.3	-9	17	-8	-3	9	9	-2	1.4	-2	1.0	1	1.7	(X)
1987 ---	-1.8	2.6	7	-6	.3	1.6	1.6	-1.4	2.7	5	8	8	1.0	1.4	2.7	2.6	(X)
1988 ---	.1	.5	1.5	.7	.8	1.2	1	1.2	1.5	-5	7	2.3	1.7	2.8	2.4	2.1	(X)
1989 ---	4	-1.0	-1.0	2.2	-4	1	-1.5	3.6	-3	-1.6	8	-	1.1	1.0	7	-2	(X)
1990 ---	-1.5	2.7	1.1	-1.4	1.9	8	-1.1	2.0	-2.3	8	-1.8	-2.1	9	1.8	6	-2.1	(X)

See footnotes at end of table



## 2 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
DURABLE GOODS INDUSTRIES, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	71 579	81 567	86 921	82 335	83 440	87 294	72 913	76 226	82 402	78 156	74 362	73 346	240 067	253 069	231 541	225 864	950 541
1983 ---	71 344	79 365	85 707	82 619	84 388	92 524	77 215	83 483	93 373	92 601	91 074	92 077	236 416	259 531	254 071	275 752	1 025 770
1984 ---	86 213	96 625	102 908	97 732	98 680	106 094	88 389	96 097	102 100	102 653	99 651	98 134	285 746	302 506	286 586	300 438	1 175 276
1985 ---	90 129	100 219	107 847	100 997	102 879	109 002	90 408	98 740	107 168	105 791	102 464	99 708	298 195	312 878	296 316	307 963	1 215 352
1986 ---	93 639	103 494	107 484	105 771	103 507	112 080	92 174	97 962	108 982	107 475	101 593	104 698	304 617	321 358	299 118	313 766	1 238 859
1987 ---	92 713	107 819	114 794	106 996	107 049	115 930	95 837	102 703	116 887	114 767	110 681	111 356	315 326	329 975	315 427	336 804	1 297 532
1988 ---	99 746	113 163	123 232	116 728	118 399	128 387	103 592	114 597	128 086	125 155	120 541	124 284	336 141	363 514	346 275	369 980	1 415 910
1989 ---	112 776	124 282	131 379	126 518	126 221	134 127	105 684	123 664	134 088	127 279	123 731	124 639	368 437	386 866	363 436	375 649	1 494 388
1990 ---	105 330	125 142	136 345	124 831	129 954	140 143	110 644	125 921	133 787	131 632	121 237	119 684	366 817	394 928	370 352	372 553	1 504 650
Seasonally Adjusted—Millions of Dollars																	
1982 ---	79 014	81 012	81 175	80 819	81 810	80 864	80 899	79 014	78 557	75 781	75 382	75 682	241 201	243 493	238 470	226 845	(X)
1983 ---	79 119	79 036	80 049	81 243	82 597	85 426	85 739	86 555	89 089	89 840	92 216	95 629	238 204	249 266	261 383	277 685	(X)
1984 ---	95 226	95 933	96 093	96 051	96 724	97 823	98 539	99 878	97 226	99 811	100 702	100 644	287 312	290 598	295 643	307 157	(X)
1985 ---	99 973	99 485	100 532	99 553	101 153	100 534	101 094	102 839	101 830	102 763	103 326	101 166	299 990	301 240	305 763	307 255	(X)
1986 ---	104 176	102 706	100 262	104 382	102 064	103 434	103 640	102 032	103 104	104 108	102 266	105 831	307 144	309 880	308 776	312 205	(X)
1987 ---	103 613	107 065	106 974	105 861	105 659	107 020	108 181	106 623	110 366	111 047	111 626	112 300	317 652	318 540	325 170	334 973	(X)
1988 ---	111 781	112 635	114 789	115 608	116 751	118 408	117 573	119 008	120 650	121 071	121 607	125 418	339 205	350 767	357 231	368 096	(X)
1989 ---	126 177	123 716	122 263	125 319	124 344	123 464	119 936	128 204	126 197	123 233	125 190	124 697	372 156	373 127	374 337	373 120	(X)
1990 ---	118 699	125 092	126 769	123 885	127 891	129 167	126 531	130 441	125 783	127 692	122 693	118 578	370 560	380 943	382 755	368 963	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-3	2.5	2	-4	1.2	-1.2	-	-2.3	-6	-3.5	-5	4	-7	1.0	-2.1	-4.9	(X)
1983 ---	4.5	-1	1.3	1.5	1.7	3.4	4	1.0	2.9	8	2.6	3.7	5.0	4.6	4.9	6.2	(X)
1984 ---	-4	8	1	-	7	1.1	7	1.4	-2.7	2.7	9	-1	3.5	1.1	1.7	1.9	(X)
1985 ---	-7	-5	1.1	-1.0	1.6	-6	6	1.7	-1.0	9	5	-2.1	-4	4	1.5	.5	(X)
1986 ---	3.0	-1.4	-2.4	4.1	-2.2	1.3	2	-1.6	1.1	1.0	-1.8	3.5	-	9	-4	1.1	(X)
1987 ---	-2.1	3.3	1	-1.0	-2	1.3	1.1	-1.4	3.5	6	5	6	1.7	3	2.1	3.0	(X)
1988 ---	-5	8	1.9	7	1.0	1.4	-7	1.2	1.4	3	4	3.1	1.3	3.4	1.8	3.0	(X)
1989 ---	6	-2.0	-1.2	2.5	-8	-7	-2.9	6.9	-1.6	-2.3	1.6	-4	1.1	3	.3	-3	(X)
1990 ---	-4.8	5.4	1.3	-2.3	3.2	1.0	-2.0	3.1	-3.6	1.5	-3.9	-3.4	-7	2.8	.5	-3.6	(X)
DURABLE GOODS WITH UNFILLED ORDERS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	61 339	69 594	73 491	68 582	69 413	72 644	60 905	64 054	69 332	65 019	62 920	63 004	204 424	210 639	194 291	190 943	800 297
1983 ---	59 120	65 335	70 708	67 221	68 382	75 430	63 302	68 581	76 629	75 017	74 540	76 943	195 163	211 033	208 512	226 500	841 208
1984 ---	69 920	78 223	83 462	78 710	80 047	86 443	72 627	78 869	84 495	83 457	81 738	82 539	231 605	245 200	235 991	247 734	960 530
1985 ---	73 301	81 960	88 000	81 690	82 855	89 273	74 835	81 194	87 410	85 945	84 163	84 535	243 651	253 818	243 439	254 643	995 161
1986 ---	74 815	84 130	87 706	84 013	83 323	91 237	75 626	80 332	89 399	86 717	84 242	87 387	246 651	258 573	245 357	258 346	1 008 927
1987 ---	74 315	85 847	92 882	85 443	85 717	94 389	79 238	84 591	96 549	92 518	90 817	93 841	253 044	265 549	260 378	277 176	1 056 147
1988 ---	81 110	92 221	100 926	93 605	95 255	104 868	86 089	94 938	106 845	101 581	99 219	103 808	274 257	293 728	287 872	304 608	1 160 465
1989 ---	90 894	100 575	107 968	101 793	102 185	110 984	89 199	101 844	112 131	104 783	102 390	106 697	299 437	314 962	303 174	313 870	1 231 443
1990 ---	89 390	103 806	113 555	102 757	106 454	116 288	93 500	104 965	112 983	108 982	103 182	105 017	306 751	325 499	311 448	317 181	1 260 879
Seasonally Adjusted—Millions of Dollars																	
1982 ---	67 671	68 910	68 802	68 067	68 839	67 655	67 324	65 982	65 904	63 392	63 479	63 492	205 383	204 561	199 210	190 363	(X)
1983 ---	65 638	64 952	66 209	67 026	67 826	70 043	69 917	70 634	72 771	73 169	75 261	77 736	196 799	204 895	213 322	226 166	(X)
1984 ---	77 481	77 808	78 179	78 568	79 590	80 106	80 317	81 375	79 969	81 590	82 310	82 242	233 468	238 264	241 661	246 142	(X)
1985 ---	81 735	81 680	82 205	81 855	82 721	82 634	83 015	83 986	82 370	83 999	84 565	83 345	245 620	247 210	249 371	251 909	(X)
1986 ---	83 869	83 979	81 908	84 426	83 444	84 405	84 154	83 049	83 800	84 635	84 386	85 625	249 756	252 275	251 003	254 646	(X)
1987 ---	83 787	85 933	86 650	86 071	85 960	87 295	88 641	87 349	90 310	90 281	91 140	92 048	256 370	259 326	266 300	273 469	(X)
1988 ---	91 677	92 478	94 070	94 363	95 414	96 871	96 665	97 983	99 675	99 124	99 676	101 832	278 225	286 648	294 323	300 632	(X)
1989 ---	102 556	100 970	100 458	102 588	102 212	102 326	100 437	105 047	104 491	102 204	103 042	104 112	303 984	307 126	309 975	309 358	(X)
1990 ---	101 232	104 415	105 535	103 594	106 299	107 386	105 857	108 306	105 184	106 507	103 869	101 842	311 182	317 279	319 347	312 218	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.7	1.8	-2	-1.1	1.1	-1.7	-5	-2.0	-1	-3.8	1	-	-3	-4	-2.6	-4.4	(X)
1983 ---	3.4	-1.0	1.9	1.2	1.2	3.3	-2	1.0	3.0	5	2.9	3.3	3.4	4.1	4.1	6.0	(X)
1984 ---	-3	4	5	5	1.3	6	3	1.3	-1.7	2.0	9	-1	3.2	2.1	1.4	1.9	(X)
1985 ---	-6	-1	6	-4	1.1	-1	5	1.2	-1.9	2.0	7	-1.4	-2	6	9	1.0	(X)
1986 ---	6	1	-2.5	3.1	-1.2	1.2	-3	-1.3	9	1.0	-3	1.5	-9	1.0	-5	1.5	(X)
1987 ---	-2.1	2.6	8	-7	-1	1.6	1.5	-1.5	3.4	-	1.0	1.0	7	1.2	2.7	2.7	(X)
1988 ---	-4	9	1.7	3	1.1	1.5	-2	1.4	1.7	-6	6	2.2	1.7	3.0	2.7	2.1	(X)
1989 ---	7	-1.5	-5	2.1	-4	1	-1.8	4.6	-5	-2.2	8	1.0	1.1	1.0	9	-2	(X)
1990 ---	-2.8	3.1	1.1	-1.8	2.6	1.0	-1.4	2.3	-2.9	1.3	-2.5	-2.0	6	2.0	.7	-2.2	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
STONE, CLAY, AND GLASS PRODUCTS, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	3 135	3 403	3 725	3 646	3 825	3 974	3 567	3 787	3 919	3 870	3 506	3 158	10 263	11 445	11 273	10 534	43 515
1983 ---	3 339	3 466	3 752	3 883	3 989	4 375	3 855	4 330	4 524	4 443	4 120	3 621	10 557	12 247	12 709	12 184	47 697
1984 ---	3 624	4 177	4 370	4 436	4 507	4 780	4 358	4 780	4 793	4 811	4 457	4 008	12 171	13 723	13 931	13 276	53 101
1985 ---	3 835	4 241	4 602	4 823	4 810	5 124	4 619	4 957	5 116	4 917	4 650	4 127	12 678	14 757	14 692	13 694	55 821
1986 ---	4 392	4 550	4 935	5 179	5 143	5 411	4 792	5 114	5 388	5 233	4 865	4 252	13 877	15 733	15 294	14 350	59 254
1987 ---	4 401	4 883	5 227	5 302	5 203	5 362	4 881	5 100	5 482	5 975	5 150	4 511	14 511	15 867	15 463	15 636	61 477
1988 ---	4 402	4 864	5 228	5 390	5 407	5 649	4 959	5 550	5 741	5 725	5 385	4 758	14 494	16 446	16 250	15 868	63 058
1989 ---	4 764	4 985	5 114	5 663	5 452	5 795	5 015	5 577	5 667	5 800	5 312	4 619	14 863	16 910	16 259	15 731	63 763
1990 ---	4 691	5 105	5 420	5 475	5 487	5 812	5 070	5 545	5 575	5 535	4 985	4 197	15 216	16 774	16 190	14 717	62 897
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 637	3 637	3 683	3 589	3 706	3 628	3 630	3 570	3 618	3 621	3 575	3 648	10 957	10 923	10 818	10 844	(X)
1983 ---	3 875	3 703	3 713	3 797	3 855	3 990	3 923	4 085	4 172	4 169	4 206	4 198	11 291	11 642	12 180	12 573	(X)
1984 ---	4 212	4 461	4 324	4 305	4 349	4 358	4 450	4 520	4 425	4 520	4 550	4 657	12 997	13 012	13 395	13 727	(X)
1985 ---	4 449	4 512	4 546	4 653	4 638	4 688	4 739	4 705	4 731	4 621	4 733	4 792	13 507	13 979	14 175	14 146	(X)
1986 ---	5 079	4 832	4 868	4 966	4 968	4 971	4 953	4 870	4 994	4 910	4 930	4 922	14 779	14 905	14 817	14 762	(X)
1987 ---	5 065	5 175	5 149	5 078	5 033	4 945	5 085	4 871	5 093	5 583	5 192	5 212	15 389	15 056	15 049	15 987	(X)
1988 ---	5 048	5 147	5 146	5 165	5 245	5 219	5 200	5 305	5 341	5 323	5 405	5 489	15 341	15 629	15 846	16 217	(X)
1989 ---	5 460	5 269	5 034	5 444	5 298	5 355	5 283	5 325	5 281	5 371	5 313	5 323	15 763	16 097	15 889	16 007	(X)
1990 ---	5 376	5 396	5 337	5 271	5 334	5 373	5 349	5 288	5 206	5 122	4 983	4 832	16 109	15 978	15 843	14 937	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.7	-	1.3	-2.6	3.3	-2.1	.1	-1.7	1.3	.1	-1.3	2.0	5	-3	-1.0	2	(X)
1983 ---	6.2	-4.4	.3	2.3	1.5	3.5	-1.7	4.1	2.1	-1	9	-2	4.1	3.1	4.6	3.2	(X)
1984 ---	.3	5.9	-3.1	-4	1.0	2	2.1	1.6	-2.1	2.1	7	2.4	3.4	1	2.9	2.5	(X)
1985 ---	-4.5	1.4	8	2.4	-3	1.1	1.1	-7	6	-2.3	2.4	1.2	-1.6	3.5	1.4	-2	(X)
1986 ---	6.0	-4.9	7	2.0	-	1	-4	-1.7	2.5	-1.7	4	-2	4.5	9	-6	-4	(X)
1987 ---	2.9	2.2	-5	-1.4	-9	-1.7	2.8	-4.2	4.6	9.6	-7.0	4	4.2	-2.2	-	6.2	(X)
1988 ---	-3.1	2.0	-	4	1.5	-5	-4	2.0	7	-3	1.5	1.6	-4.0	1.9	1.4	2.3	(X)
1989 ---	-5	-3.5	-4.5	8.1	-2.7	1.1	-1.3	8	-8	1.7	-1.1	2	-2.8	2.1	-1.3	7	(X)
1990 ---	1.0	4	-1.1	-1.2	1.2	7	-4	-1.1	-1.6	-1.6	-2.7	-3.0	.6	-8	-8	-5.7	(X)
PRIMARY METALS INDUSTRIES, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	10 104	10 477	10 170	9 839	9 303	9 204	7 577	8 080	8 280	7 740	7 062	7 038	30 751	28 346	23 937	21 840	104 874
1983 ---	7 804	8 284	8 952	8 973	9 160	9 523	8 404	8 996	9 616	9 843	9 658	10 027	25 040	27 656	27 016	29 528	109 240
1984 ---	9 702	10 585	11 150	10 709	10 473	11 052	9 309	10 026	9 654	9 976	9 266	8 413	31 437	32 234	28 989	27 655	120 315
1985 ---	9 045	9 647	9 819	9 887	9 789	9 987	8 663	9 497	9 401	9 270	8 939	8 321	28 511	29 663	27 561	26 530	112 265
1986 ---	8 902	9 564	9 772	9 700	9 396	9 446	8 038	8 576	9 044	9 076	8 346	8 005	28 238	28 542	25 658	25 427	107 865
1987 ---	8 156	9 319	9 619	9 614	9 793	10 370	9 371	10 061	10 804	11 022	11 115	11 004	27 094	29 777	30 236	33 141	120 248
1988 ---	10 754	11 642	12 515	12 360	12 566	13 458	11 340	12 584	13 215	13 373	12 924	12 347	34 911	38 384	37 139	38 644	149 078
1989 ---	12 842	13 578	13 751	13 627	13 251	13 575	11 693	12 596	12 904	12 717	11 786	10 701	40 171	40 453	37 193	35 204	153 021
1990 ---	11 370	12 035	12 646	12 319	12 201	12 748	11 394	12 295	12 409	12 743	11 447	10 578	36 051	37 268	36 098	34 768	144 185
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 378	10 060	9 460	9 385	9 001	8 721	8 344	8 223	8 185	7 683	7 410	7 705	29 898	27 107	24 752	22 798	(X)
1983 ---	8 039	8 001	8 365	8 555	8 856	8 981	9 208	9 096	9 517	9 760	10 128	11 031	24 405	26 392	27 821	30 919	(X)
1984 ---	10 047	10 260	10 447	10 218	10 110	10 385	10 156	10 096	9 578	9 860	9 681	9 276	30 754	30 713	29 830	28 817	(X)
1985 ---	9 428	9 362	9 216	9 451	9 461	9 385	9 435	9 555	9 318	9 115	9 297	9 137	28 006	28 297	28 308	27 549	(X)
1986 ---	9 338	9 286	9 212	9 301	9 101	8 897	8 747	8 608	8 922	8 888	8 623	8 777	27 836	27 299	26 277	26 288	(X)
1987 ---	8 588	9 062	9 101	9 249	9 514	9 793	10 193	10 096	10 618	10 747	11 471	12 007	26 751	28 556	30 907	34 225	(X)
1988 ---	11 334	11 347	11 876	11 922	12 241	12 739	12 312	12 613	12 939	13 006	13 287	13 446	34 557	36 902	37 864	39 739	(X)
1989 ---	13 550	13 266	13 055	13 199	12 963	12 860	12 677	12 618	12 608	12 332	12 108	11 629	39 871	39 022	37 903	36 069	(X)
1990 ---	11 997	11 778	12 022	11 953	11 948	12 066	12 360	12 307	12 118	12 352	11 754	11 485	35 797	35 967	36 785	35 591	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.8	-3.1	-6.0	-8	-4.1	-3.1	-4.3	-1.5	-5	-6.1	-3.6	4.0	-8.4	-9.3	-8.7	-7.9	(X)
1983 ---	4.3	-5	4.5	2.3	3.5	1.4	2.5	-1.2	4.6	2.6	3.8	8.9	7.0	8.1	5.4	11.1	(X)
1984 ---	-8.9	2.1	1.8	-2.2	-1.1	2.7	-2.2	-6	-5.1	2.9	-1.8	-4.2	-5	-1	-2.9	-3.4	(X)
1985 ---	1.6	-7	-1.6	2.5	1	-8	.5	1.3	-2.5	-2.2	2.0	-1.7	-2.8	1.0	-	-2.7	(X)
1986 ---	2.2	-6	-8	1.0	-2.2	-2.2	-1.7	-1.6	3.6	-4	-3.0	1.8	1.0	-1.9	-3.7	-	(X)
1987 ---	-2.2	5.5	4	1.6	2.9	2.9	4.1	-1.0	5.2	1.2	6.7	4.7	1.8	6.7	8.2	10.7	(X)
1988 ---	-5.6	1	4.7	4	2.7	4.1	-3.4	2.4	2.6	5	2.2	1.2	10	6.8	2.6	5.0	(X)
1989 ---	8	-2.1	-1.6	1.1	-1.8	-8	-1.4	-5	-1	-2.2	-1.8	-4.0	3	-2.1	-2.9	-4.8	(X)
1990 ---	3.2	-1.8	2.1	-6	-	1.0	2.4	-4	-1.5	1.9	-4.8	-2.3	-8	5	2.3	-3.2	(X)

See footnotes at end of table



# 4 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
BLAST FURNACES, STEEL MILLS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	4 964	5 133	4 885	4 488	4 062	4 133	3 304	3 441	3 527	3 098	2 925	2 968	14 982	12 683	10 272	8 991	46 928
1983 ---	3 280	3 444	3 855	3 811	3 785	4 075	3 547	3 863	4 064	4 176	4 191	4 307	10 579	11 671	11 474	12 674	46 398
1984 ---	4 179	4 622	4 798	4 673	4 635	4 875	4 097	4 262	4 135	4 238	3 891	3 573	13 599	14 183	12 494	11 702	51 978
1985 ---	3 963	4 192	4 306	4 316	4 249	4 407	3 731	4 096	4 102	3 962	3 845	3 735	12 461	12 972	11 929	11 542	48 904
1986 ---	3 934	4 176	4 151	4 138	4 017	4 114	3 611	3 474	3 653	3 711	3 393	3 346	12 261	12 269	10 738	10 450	45 718
1987 ---	3 476	3 905	4 005	4 094	4 264	4 519	4 069	4 419	4 589	4 852	4 887	4 736	11 386	12 877	13 077	14 475	51 815
1988 ---	4 798	5 263	5 562	5 575	5 535	5 807	4 939	5 254	5 472	5 546	5 200	5 107	15 623	16 917	15 665	15 853	64 058
1989 ---	5 388	5 504	5 661	5 727	5 546	5 499	4 777	5 072	5 152	5 199	4 812	4 403	16 553	16 772	15 001	14 414	62 740
1990 ---	4 689	4 896	5 248	5 069	5 096	5 272	4 620	4 942	4 958	5 213	4 720	4 198	14 833	15 437	14 520	14 131	58 921
Seasonally Adjusted—Millions of Dollars																	
1982 ---	5 024	4 908	4 510	4 255	3 981	3 884	3 621	3 553	3 565	3 129	3 079	3 196	14 442	12 120	10 739	9 404	(X)
1983 ---	3 319	3 304	3 575	3 616	3 690	3 794	3 882	3 957	4 113	4 209	4 432	4 665	10 198	11 100	11 952	13 306	(X)
1984 ---	4 249	4 450	4 474	4 438	4 490	4 516	4 469	4 343	4 186	4 252	4 124	3 880	13 173	13 444	12 998	12 256	(X)
1985 ---	4 057	4 045	4 041	4 100	4 100	4 076	4 058	4 171	4 146	3 946	4 076	4 049	12 143	12 276	12 375	12 071	(X)
1986 ---	4 053	4 045	3 921	3 930	3 862	3 817	3 921	3 537	3 679	3 671	3 586	3 627	12 019	11 609	11 137	10 884	(X)
1987 ---	3 595	3 798	3 797	3 891	4 095	4 206	4 415	4 499	4 603	4 775	5 146	5 134	11 190	12 192	13 517	15 055	(X)
1988 ---	4 971	5 144	5 276	5 301	5 313	5 429	5 354	5 350	5 475	5 445	5 542	5 542	15 391	16 043	16 179	16 432	(X)
1989 ---	5 586	5 407	5 359	5 454	5 327	5 151	5 173	5 168	5 151	5 095	5 018	4 784	16 352	15 932	15 492	14 897	(X)
1990 ---	4 859	4 825	4 963	4 828	4 896	4 945	5 005	5 036	4 953	5 108	4 913	4 568	14 647	14 669	14 994	14 589	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.8	-2.3	-8.1	-5.7	-6.4	-2.4	-6.8	-1.9	.3	-12.2	-1.6	3.8	-10.4	-16.1	-11.4	-12.4	(X)
1983 ---	3.8	-5	8.2	1.1	2.0	2.8	2.3	1.9	3.9	2.3	5.3	5.3	8.4	8.8	7.7	11.3	(X)
1984 ---	-8.9	4.7	5	-8	12	6	-1.0	-2.8	-3.6	1.6	-3.0	-5.9	-1.0	2.1	-3.3	-5.7	(X)
1985 ---	4.6	-3	-1	1.5	-	-6	-4	2.8	-6	-4.8	3.3	-7	-9	1.1	8	-2.5	(X)
1986 ---	1	-2	-3.1	2	-1.7	-1.2	2.7	-9.8	4.0	-2	-2.3	1.1	-4	-3.4	-4.1	-2.3	(X)
1987 ---	-9	5.6	-	2.5	5.2	2.7	5.0	1.9	2.3	3.7	7.8	-2	2.8	9.0	10.9	11.4	(X)
1988 ---	-3.2	3.5	2.6	5	2	2.2	-1.4	-1	2.3	-5	-	1.8	2.2	4.2	8	1.6	(X)
1989 ---	8	-3.2	-9	1.8	-2.3	-3.3	4	-1	-3	-1.1	-1.5	-4.7	-5	-2.6	-2.8	-3.8	(X)
1990 ---	1.6	-7	2.9	-2.7	1.4	1.0	1.2	6	-1.6	3.1	-3.8	-7.0	-1.7	.2	2.2	-2.7	(X)
IRON AND STEEL FOUNDRIES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	873	936	978	928	942	920	713	793	714	709	615	520	2 787	2 790	2 220	1 844	9 641
1983 ---	626	667	681	793	829	852	689	795	846	896	889	775	1 974	2 474	2 330	2 560	9 338
1984 ---	910	968	996	976	1 003	1 038	839	1 040	963	1 003	936	758	2 874	3 017	2 842	2 697	11 430
1985 ---	864	928	963	955	989	960	808	898	872	948	910	693	2 755	2 904	2 578	2 551	10 788
1986 ---	857	908	861	973	899	935	750	828	811	929	865	718	2 626	2 807	2 389	2 512	10 334
1987 ---	782	892	910	888	883	920	792	931	908	1 000	939	783	2 584	2 691	2 631	2 722	10 628
1988 ---	822	962	1 015	1 011	1 098	1 080	850	1 039	1 104	1 110	1 065	910	2 799	3 189	2 993	3 085	12 066
1989 ---	983	1 073	1 046	1 090	1 096	1 064	802	1 001	1 061	1 037	919	759	3 102	3 250	2 864	2 715	11 931
1990 ---	824	916	986	1 014	1 041	1 073	875	1 030	1 020	1 049	910	647	2 726	3 128	2 925	2 606	11 385
Seasonally Adjusted—Millions of Dollars																	
1982 ---	917	910	906	878	866	850	824	801	716	685	623	618	2 733	2 594	2 341	1 926	(X)
1983 ---	658	652	636	754	764	783	787	797	851	860	895	931	1 946	2 301	2 435	2 686	(X)
1984 ---	959	948	934	932	929	953	950	1 039	972	952	935	913	2 841	2 814	2 961	2 800	(X)
1985 ---	915	907	907	915	922	886	914	896	880	889	903	831	2 729	2 723	2 690	2 623	(X)
1986 ---	916	886	816	934	840	869	851	821	814	863	855	857	2 618	2 643	2 486	2 575	(X)
1987 ---	846	872	866	852	826	858	903	917	904	922	929	934	2 584	2 536	2 724	2 785	(X)
1988 ---	900	945	970	968	1 025	1 008	972	1 016	1 088	1 020	1 059	1 086	2 815	3 001	3 076	3 165	(X)
1989 ---	1 086	1 059	1 003	1 042	1 020	992	921	974	1 036	952	920	908	3 148	3 054	2 931	2 780	(X)
1990 ---	915	907	947	968	965	1 000	1 007	1 000	991	964	914	775	2 769	2 933	2 998	2 653	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	5.5	-8	-4	-3.1	-1.4	-1.8	-3.1	-2.8	-10.6	-4.3	-9.1	-8	-4.7	-5.1	-9.8	-17.7	(X)
1983 ---	6.5	-9	-2.5	18.6	1.3	2.5	5	1.3	6.8	1.1	4.1	4.0	1.0	18.2	5.8	10.3	(X)
1984 ---	3.0	-1.1	-1.5	-2	-3	2.6	-3	9.4	-6.4	-2.1	-1.8	-2.4	5.8	-1.0	5.2	-5.4	(X)
1985 ---	2	-9	-	9	8	-3.9	3.2	-2.0	-1.8	1.0	1.6	-8.0	-2.5	-2	-1.2	-2.5	(X)
1986 ---	10.2	-3.3	-7.9	14.5	-10.1	3.5	-2.1	-3.5	-9	6.0	-9	2	-2	1.0	-5.9	3.6	(X)
1987 ---	-1.3	3.1	-7	-1.6	-3.1	3.9	5.2	1.6	-1.4	2.0	8	5	3	-1.9	7.4	2.2	(X)
1988 ---	-3.6	5.0	2.6	-2	5.9	-1.7	-3.6	4.5	7.1	-6.3	3.8	2.5	1.1	6.6	2.5	2.9	(X)
1989 ---	-	-2.5	-5.3	3.9	-2.1	-2.7	-7.2	5.8	6.4	-8.1	-3.4	-1.3	-5	-3.0	-4.0	-5.2	(X)
1990 ---	8	-9	4.4	2.2	-3	3.6	7	-7	-9	-2.7	-5.2	-15.2	-4	5.9	2.2	-11.5	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
NONFERROUS AND OTHER PRIMARY METALS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	4 267	4 408	4 307	4 423	4 299	4 151	3 560	3 846	4 039	3 933	3 522	3 550	12 982	12 873	11 445	11 005	48 305
1983	3 898	4 173	4 416	4 369	4 546	4 596	4 168	4 338	4 706	4 771	4 578	4 945	12 487	13 511	13 212	14 294	53 504
1984	4 613	4 995	5 356	5 060	4 835	5 139	4 373	4 724	4 556	4 735	4 439	4 082	14 964	15 034	13 653	13 255	56 907
1985	4 218	4 527	4 550	4 616	4 551	4 620	4 124	4 503	4 427	4 360	4 184	3 893	13 295	13 787	13 054	12 437	52 573
1986	4 111	4 480	4 760	4 589	4 480	4 397	3 677	4 274	4 580	4 436	4 088	3 941	13 351	13 466	12 531	12 465	51 813
1987	3 898	4 522	4 704	4 632	4 646	4 931	4 510	4 711	5 307	5 170	5 289	5 485	13 124	14 209	14 528	15 944	57 805
1988	5 134	5 417	5 938	5 774	5 933	6 571	5 551	6 291	6 639	6 717	6 659	6 330	16 489	16 278	18 481	19 706	72 954
1989	6 471	7 001	7 044	6 810	6 609	7 012	6 114	6 523	6 691	6 481	6 055	5 539	20 516	20 431	19 328	18 075	78 350
1990	5 857	6 223	6 412	6 236	6 064	6 403	5 899	6 323	6 431	6 481	5 817	5 733	18 492	18 703	18 653	18 031	73 879
Seasonally Adjusted—Millions of Dollars																	
1982	4 437	4 242	4 044	4 252	4 154	3 987	3 899	3 869	3 904	3 869	3 708	3 891	12 723	12 393	11 672	11 468	(X)
1983	4 062	4 045	4 154	4 185	4 402	4 404	4 539	4 342	4 553	4 691	4 801	5 435	12 261	12 991	13 434	14 927	(X)
1984	4 839	4 862	5 039	4 848	4 691	4 916	4 737	4 714	4 420	4 656	4 622	4 483	14 740	14 455	13 871	13 761	(X)
1985	4 456	4 410	4 268	4 436	4 439	4 423	4 463	4 488	4 292	4 280	4 318	4 257	13 134	13 298	13 243	12 855	(X)
1986	4 369	4 355	4 475	4 437	4 399	4 211	3 975	4 250	4 429	4 354	4 182	4 293	13 199	13 047	12 654	12 829	(X)
1987	4 147	4 392	4 438	4 506	4 593	4 729	4 875	4 680	5 111	5 050	5 396	5 939	12 977	13 828	14 666	16 385	(X)
1988	5 463	5 258	5 630	5 653	5 903	6 302	5 986	6 247	6 376	6 541	6 783	6 818	16 351	17 858	18 609	20 142	(X)
1989	6 878	6 800	6 693	6 703	6 616	6 717	6 583	6 476	6 421	6 285	6 170	5 937	20 371	20 036	19 480	18 392	(X)
1990	6 223	6 046	6 112	6 157	6 087	6 121	6 348	6 271	6 174	6 280	5 927	6 142	18 381	18 365	18 793	18 349	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	4.7	-4.4	-4.7	5.1	-2.3	-4.0	-2.2	-8	.9	-9	-4.2	4.9	-6.7	-2.6	-5.8	-1.7	(X)
1983	4.4	-4	2.7	7	5.2	-	3.1	-4.3	4.9	3.0	2.3	13.2	6.9	6.0	3.4	11.1	(X)
1984	-11.0	5	3.6	-3.8	-3.2	4.8	-3.6	-5	-6.2	5.3	-7	-3.0	-1.3	-1.9	-4.0	-8	(X)
1985	-6	-1.0	-3.2	-3.9	1	-4	9	6	-4.4	-3	9	-1.4	-4.6	1.2	-4	-2.9	(X)
1986	2.6	-3	2.8	-8	-9	-4.3	-5.6	6.9	4.2	-1.7	-4.0	2.7	2.7	-1.2	-3.0	1.4	(X)
1987	-3.4	5.9	1.0	1.5	1.9	3.0	3.1	-4.0	9.2	-1.2	6.9	10.1	1.2	6.6	6.1	11.7	(X)
1988	-6.0	-3.8	7.1	4	4.4	6.8	-5.0	4.4	2.1	2.6	3.7	5	-2	9.2	4.2	8.2	(X)
1989	9	-1.1	-1.6	1	-1.3	1.5	-2.0	-1.6	-8	-2.1	-1.8	-3.8	1.1	-1.6	-2.8	-5.6	(X)
1990	4.8	-2.8	1.1	7	-1.1	6	3.7	-1.2	-1.5	1.7	-5.6	3.6	-1	-1	2.3	-2.4	(X)
FABRICATED METAL PRODUCTS, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	8 868	9 991	10 772	10 430	10 721	10 886	9 561	10 200	10 259	9 810	9 170	8 568	29 631	32 037	30 020	27 548	119 236
1983	8 791	9 641	10 155	9 966	10 346	10 855	9 413	10 475	11 288	11 451	10 605	10 097	28 587	31 167	31 176	32 153	123 083
1984	10 471	11 515	11 927	11 587	11 644	12 329	10 910	11 661	11 880	12 064	11 586	10 533	33 913	35 560	34 451	34 183	138 107
1985	10 862	11 594	12 365	11 757	12 154	12 495	11 358	12 335	12 761	12 870	11 945	10 772	34 821	36 406	36 454	35 587	143 268
1986	10 901	11 944	12 018	12 171	12 144	12 832	11 089	11 975	12 630	12 703	11 640	11 016	34 863	37 147	35 694	35 359	143 063
1987	10 773	12 687	13 176	12 480	12 519	13 116	11 414	12 196	12 740	12 654	12 223	11 389	36 636	38 115	36 350	36 266	147 367
1988	11 384	12 944	13 639	13 201	13 613	14 630	11 949	12 980	13 971	14 137	13 465	12 920	37 967	41 444	38 900	40 522	158 833
1989	13 039	14 678	15 542	15 150	15 213	15 925	13 781	15 311	16 263	16 216	15 224	14 237	43 259	46 288	45 355	45 677	180 579
1990	13 473	15 701	16 952	15 786	16 713	17 062	14 354	15 665	16 626	16 578	14 901	14 304	46 126	49 561	46 645	45 783	188 115
Seasonally Adjusted—Millions of Dollars																	
1982	9 811	9 957	10 173	10 190	10 415	10 177	10 295	10 055	9 805	9 356	9 507	9 440	29 941	30 782	30 155	28 303	(X)
1983	9 690	9 626	9 630	9 785	10 050	10 118	10 080	10 328	10 786	10 909	10 991	11 182	28 946	29 953	31 194	33 082	(X)
1984	11 478	11 463	11 314	11 393	11 304	11 477	11 688	11 539	11 348	11 495	11 979	11 670	34 255	34 174	34 575	35 144	(X)
1985	11 907	11 525	11 728	11 569	11 809	11 632	12 173	12 254	12 204	12 263	12 299	11 892	35 160	35 010	36 631	36 454	(X)
1986	11 986	11 834	11 370	11 974	11 796	11 950	11 939	11 947	12 068	12 112	11 936	12 106	35 190	35 720	35 954	36 154	(X)
1987	11 941	12 563	12 412	12 259	12 129	12 233	12 371	12 235	12 167	12 073	12 527	12 458	36 916	36 621	36 773	37 058	(X)
1988	12 690	12 790	12 794	12 954	13 151	13 637	13 008	13 083	13 329	13 499	13 816	14 106	38 274	39 742	39 420	41 421	(X)
1989	14 593	14 437	14 536	14 841	14 629	14 847	15 108	15 500	15 528	15 502	15 664	15 562	43 566	44 317	46 136	46 728	(X)
1990	15 083	15 420	15 821	15 449	16 041	15 918	15 804	15 879	15 876	15 854	15 309	15 606	46 324	47 408	47 559	46 769	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	1.9	1.5	2.2	2	2.2	-2.3	1.2	-2.3	-2.5	-4.6	1.6	-7	2.5	2.8	-2.0	-6.1	(X)
1983	2.6	-7	-	1.6	2.7	7	-4	2.5	4.4	1.1	8	1.7	2.3	3.5	4.1	6.1	(X)
1984	2.6	-1	-1.3	7	-8	1.5	1.8	-1.3	-1.7	1.3	4.2	-2.6	3.5	-2	1.2	1.6	(X)
1985	2.0	-3.2	1.8	-1.4	2.1	-1.5	4.7	7	-4	5	3	-3.3	-	-4	4.6	-5	(X)
1986	.8	-1.3	-3.9	5.3	-1.5	1.3	-1	1	1.0	4	-1.5	1.4	-3.5	1.5	7	6	(X)
1987	-1.4	5.2	-1.2	-1.2	-1.1	9	1.1	-1.1	-6	-8	3.8	-6	2.1	-8	4	8	(X)
1988	1.9	8	-	1.3	1.5	3.7	-4.6	6	1.9	1.3	2.3	2.1	3.3	3.8	-8	5.1	(X)
1989	3.5	-1.1	7	2.1	-1.4	1.5	1.8	2.6	2	-2	1.0	-7	5.2	1.7	4.1	1.3	(X)
1990	-3.1	2.2	2.6	-2.4	3.8	-8	-7	5	-	-1	-3.4	1.9	-9	2.3	3	-1.7	(X)

See footnotes at end of table.



# 6 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	14 823	17 213	18 423	15 911	16 026	17 030	13 798	14 249	15 947	14 317	14 132	14 904	50 459	48 967	43 994	43 353	186 773
1983	12 438	13 644	15 556	14 107	14 391	16 297	13 710	14 062	15 955	15 503	15 455	17 328	41 638	44 795	43 727	48 286	178 446
1984	14 635	16 764	18 594	16 895	17 717	19 404	15 778	16 384	19 181	18 198	18 041	19 484	49 993	54 016	51 343	55 723	211 075
1985	15 268	17 614	20 707	17 730	18 376	20 478	16 094	16 632	19 463	18 060	18 228	19 758	53 589	56 584	52 189	56 046	218 408
1986	15 873	18 072	20 074	18 257	17 536	20 702	15 482	15 801	18 886	16 821	16 834	19 236	54 019	56 495	50 169	52 891	213 574
1987	15 210	17 312	19 393	17 393	17 459	20 249	16 508	16 541	20 370	18 451	17 971	20 814	51 915	55 101	53 419	57 236	217 671
1988	16 360	18 875	21 828	19 559	19 853	23 076	18 078	19 376	22 919	20 361	19 853	23 120	57 063	62 488	60 373	63 334	243 258
1989	18 170	20 897	23 656	21 262	21 628	25 490	18 789	20 405	24 062	21 348	20 835	24 263	62 723	68 380	63 256	66 446	260 805
1990	18 762	21 344	25 339	21 425	21 507	25 079	18 724	20 532	23 989	21 991	21 047	23 834	65 445	68 011	63 245	66 872	263 573
Seasonally Adjusted—Millions of Dollars																	
1982	16 600	17 003	16 826	15 928	15 963	15 546	15 332	15 270	15 187	14 281	14 447	14 050	50 429	47 437	45 789	42 778	(X)
1983	14 127	13 626	14 074	14 291	14 333	14 746	15 310	15 169	15 119	15 567	15 814	16 344	41 827	43 370	45 598	47 725	(X)
1984	16 736	16 837	16 765	17 053	17 682	17 442	17 684	17 762	18 017	18 357	18 429	17 979	50 338	52 177	53 463	54 765	(X)
1985	17 652	17 839	18 586	17 947	18 400	18 260	18 037	18 093	18 091	18 275	18 750	18 173	54 077	54 607	54 221	55 198	(X)
1986	18 353	18 329	18 021	18 452	17 620	18 333	17 320	17 189	17 407	17 037	17 410	17 584	54 703	54 405	51 916	52 031	(X)
1987	17 697	17 621	17 395	17 665	17 646	17 807	18 700	17 959	18 636	18 779	18 686	19 140	52 713	53 118	55 295	56 605	(X)
1988	19 141	19 257	19 533	19 874	20 103	20 186	20 436	20 963	20 905	20 716	20 805	21 105	57 931	60 163	62 304	62 626	(X)
1989	21 244	21 323	21 161	21 566	21 889	22 266	21 252	21 978	21 889	21 709	21 980	22 133	63 728	65 721	65 119	65 822	(X)
1990	21 962	21 828	22 664	21 691	21 722	21 901	21 207	22 042	21 798	22 433	22 235	21 876	66 454	65 314	65 047	66 544	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	2	2.4	-1.0	-5.3	2	-2.6	-1.4	-4	-5	-6.0	1.2	-2.7	.1	-5.9	-3.5	-6.6	(X)
1983	.5	-3.5	3.3	1.5	3.7	2.9	3.8	-9	-3	3.0	1.6	3.4	-2.2	3.7	5.1	4.7	(X)
1984	2.4	6	-4	1.7	3.7	-1.4	1.4	4	1.4	1.9	4	-2.4	5.5	3.7	2.5	2.4	(X)
1985	-1.8	1.1	4.2	-3.4	2.5	-8	-1.2	-3	-	1.0	2.6	-3.1	-1.3	1.0	-7	1.8	(X)
1986	1.0	-1	-1.7	2.4	-4.5	4.0	-5.5	-8	1.3	-2.1	2.2	1.0	-9	-5	-4.6	2	(X)
1987	.6	-4	-1.3	1.6	-1	.9	5.0	-4.0	3.8	.8	-5	2.4	1.3	.8	4.1	2.4	(X)
1988	-	6	1.4	1.7	1.2	4	1.2	2.6	-3	-9	4	1.4	2.3	3.9	3.6	.5	(X)
1989	.7	4	-8	1.9	1.5	1.7	-4.6	3.4	-4	-8	1.2	.7	1.8	3.1	-9	1.1	(X)
1990	-8	-6	3.8	-4.3	1	8	-3.2	3.9	-1.1	2.9	-9	-1.6	1.0	-1.7	-4	2.3	(X)
ENGINES AND TURBINES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	1 180	1 263	1 401	1 235	1 116	1 200	928	1 032	1 028	891	879	886	3 844	3 551	2 988	2 656	13 039
1983	864	1 004	1 077	970	1 005	1 118	876	934	1 119	1 026	1 128	1 120	2 945	3 093	2 929	3 274	12 241
1984	1 178	1 242	1 458	1 363	1 319	1 447	1 169	1 084	1 458	1 206	1 242	1 440	3 878	4 129	3 711	3 888	15 606
1985	1 123	1 253	1 525	1 253	1 213	1 449	1 106	1 124	1 282	1 110	1 209	1 471	3 901	3 915	3 512	3 790	15 118
1986	1 029	1 191	1 531	1 235	1 188	1 311	940	1 004	1 235	1 076	1 050	1 560	3 751	3 734	3 179	3 686	14 350
1987	930	1 117	1 368	1 134	1 138	1 266	1 064	1 145	1 340	1 174	1 270	1 625	3 415	3 538	3 549	4 069	14 571
1988	1 002	1 171	1 462	1 250	1 297	1 370	1 083	1 399	1 511	1 287	1 363	2 028	3 635	3 917	3 993	4 678	16 223
1989	1 170	1 444	1 620	1 374	1 367	1 511	966	1 378	1 555	1 293	1 303	2 033	4 234	4 252	3 899	4 629	17 014
1990	1 163	1 316	1 534	1 259	1 314	1 471	966	1 272	1 505	1 214	1 363	1 841	4 013	4 044	3 743	4 418	16 218
Seasonally Adjusted—Millions of Dollars																	
1982	1 279	1 212	1 213	1 208	1 119	1 088	1 064	1 114	980	942	919	836	3 704	3 415	3 158	2 697	(X)
1983	958	986	922	955	1 002	1 015	1 011	1 025	1 068	1 104	1 178	1 060	2 866	2 972	3 104	3 342	(X)
1984	1 297	1 218	1 235	1 310	1 317	1 318	1 376	1 206	1 383	1 310	1 288	1 273	3 750	3 945	3 965	3 871	(X)
1985	1 288	1 267	1 264	1 224	1 223	1 331	1 316	1 258	1 216	1 206	1 253	1 249	3 819	3 778	3 790	3 708	(X)
1986	1 208	1 228	1 260	1 212	1 199	1 214	1 120	1 114	1 160	1 164	1 090	1 223	3 696	3 625	3 394	3 477	(X)
1987	1 070	1 139	1 143	1 138	1 168	1 186	1 318	1 266	1 250	1 270	1 303	1 262	3 352	3 492	3 834	3 835	(X)
1988	1 185	1 193	1 246	1 265	1 322	1 293	1 339	1 532	1 412	1 385	1 396	1 447	3 624	3 880	4 283	4 228	(X)
1989	1 408	1 495	1 406	1 400	1 401	1 432	1 215	1 478	1 432	1 397	1 340	1 420	4 309	4 233	4 125	4 157	(X)
1990	1 337	1 355	1 344	1 262	1 331	1 396	1 203	1 355	1 372	1 297	1 406	1 408	4 036	3 989	3 930	4 111	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	3.6	-5.2	.1	-4	-7.4	-2.8	-2.2	4.7	-12.0	-3.9	-2.4	-9.0	-3.6	-7.8	-7.5	-14.6	(X)
1983	14.6	2.9	-6.5	3.6	4.9	1.3	-4	1.4	4.2	3.4	6.7	-10.0	6.3	3.7	4.4	7.7	(X)
1984	22.4	-6.1	1.4	6.1	5	1	4.4	-12.4	14.7	-5.3	-1.7	-1.2	12.2	5.2	5	-2.4	(X)
1985	1.2	-1.6	-2	-3.2	-1	8.8	-1.1	-4.4	-3.3	-8	3.9	-3	-1.3	-1.1	3	-2.2	(X)
1986	-3.3	1.7	2.6	-3.8	-1.1	1.3	-7.7	-5	4.1	3	-6.4	12.2	-3	-1.9	-6.4	2.4	(X)
1987	-12.5	6.4	4	-4	2.6	1.5	11.1	-3.9	-1.3	1.6	2.6	-3.1	-3.6	4.2	9.8	-	(X)
1988	-6.1	7	4.4	1.5	4.5	-2.2	3.6	14.4	-7.8	-1.9	8	3.7	-5.5	7.1	10.4	-1.3	(X)
1989	-2.7	6.2	-6.0	-4	1	2.2	-15.2	21.6	-3.1	-2.4	-4.1	6.0	1.9	-1.8	-2.6	8	(X)
1990	-5.8	1.3	-8	-6.1	5.5	4.9	-13.8	12.6	1.3	-5.5	8.4	1	-2.9	-1.2	-1.5	4.6	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb.	March	April	May	June	July	Aug.	Sept	Oct	Nov	Dec.	1st	2nd	3rd	4th	
FARM AND GARDEN MACHINERY—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	995	1 326	1 393	1 280	1 293	1 196	857	829	1 049	1 167	908	815	3 714	3 769	2 735	2 890	13 108
1983	872	917	1 115	1 052	1 082	1 014	741	798	964	1 132	925	970	2 904	3 148	2 503	3 027	11 582
1984	984	1 213	1 378	1 316	1 268	1 147	808	827	1 092	1 384	870	845	3 575	3 731	2 727	3 099	13 132
1985	825	953	1 325	1 209	1 197	986	720	782	958	1 095	848	802	3 103	3 392	2 460	2 745	11 700
1986	929	867	1 097	1 156	978	1 022	628	740	811	792	665	768	2 893	3 156	2 179	2 225	10 453
1987	770	950	1 121	1 109	1 040	1 088	869	792	939	974	763	1 039	2 841	3 237	2 620	2 776	11 474
1988	1 047	1 165	1 366	1 398	1 304	1 179	810	944	1 087	1 138	967	1 155	3 578	3 881	2 841	3 260	13 560
1989	987	1 403	1 522	1 577	1 444	1 374	1 029	1 221	1 325	1 447	1 366	1 166	3 912	4 395	3 575	3 979	15 861
1990	1 263	1 525	1 859	1 796	1 602	1 463	1 091	1 186	1 413	1 582	1 370	1 488	4 647	4 861	3 690	4 440	17 638
Seasonally Adjusted—Millions of Dollars																	
1982	1 107	1 298	1 158	1 100	1 141	1 088	1 068	969	1 038	1 062	1 057	960	3 563	3 329	3 075	3 079	(X)
1983	979	898	915	891	938	929	945	956	959	1 034	1 074	1 136	2 792	2 758	2 860	3 244	(X)
1984	1 108	1 190	1 119	1 095	1 088	1 051	1 052	1 003	1 097	1 286	1 015	973	3 417	3 234	3 152	3 274	(X)
1985	929	926	1 073	988	1 026	900	956	950	971	1 042	1 000	902	2 928	2 914	2 877	2 944	(X)
1986	1 047	831	885	932	843	933	842	893	833	773	792	842	2 763	2 708	2 568	2 407	(X)
1987	869	897	902	885	905	998	1 198	948	976	968	911	1 112	2 668	2 788	3 122	2 991	(X)
1988	1 189	1 083	1 094	1 115	1 143	1 089	1 089	1 125	1 144	1 141	1 151	1 212	3 366	3 347	3 358	3 504	(X)
1989	1 128	1 292	1 215	1 259	1 272	1 284	1 380	1 457	1 400	1 450	1 614	1 209	3 635	3 815	4 237	4 273	(X)
1990	1 462	1 397	1 482	1 436	1 408	1 382	1 461	1 417	1 496	1 577	1 610	1 539	4 341	4 226	4 374	4 726	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-7.4	17.3	-10.8	-5.0	3.7	-4.6	-1.8	-9.3	7.1	2.3	-5	-9.2	-1.5	-6.6	-7.6	.1	(X)
1983	2.0	-8.3	1.9	-2.6	5.3	-1.0	1.7	1.2	3	7.8	-3.9	5.8	-9.3	-1.2	3.7	13.4	(X)
1984	-2.5	7.4	-6.0	-2.1	-6	-3.4	1	-4.7	9.4	17.2	-21.1	-4.1	5.3	-5.4	-2.5	3.9	(X)
1985	-4.5	-3	15.9	-7.9	3.8	-12.3	6.2	-6	2.2	7.3	-4.0	-9.8	-10.6	-5	-1.3	2.3	(X)
1986	16.1	-20.6	6.5	5.3	-9.5	10.7	-9.8	6.1	-6.7	-7.2	2.5	6.3	-6.1	-2.0	-5.2	-6.3	(X)
1987	3.2	3.2	6	-1.9	2.3	10.3	20.0	-20.9	3.0	-8	-5.9	22.1	10.8	4.5	12.0	-4.2	(X)
1988	6.9	-8.9	1.0	1.9	2.5	-4.7	-	3.3	1.7	-3	9	5.3	12.5	-6	3	4.3	(X)
1989	-6.9	14.5	-6.0	3.6	1.0	9	7.5	5.6	-3.9	3.6	11.3	-25.1	3.7	5.0	11.1	8	(X)
1990	20.9	-4.4	6.1	-3.1	-1.9	-1.8	5.7	-3.0	5.6	5.4	2.1	-4.4	1.6	-2.6	3.5	8.0	(X)
CONSTRUCTION, MINING, AND MATERIAL HANDLING EQUIPMENT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	2 878	3 269	3 057	2 843	2 768	2 973	2 565	2 361	2 710	2 316	2 200	2 098	9 204	8 584	7 636	6 614	32 038
1983	1 789	1 823	1 891	1 937	2 072	2 256	2 165	1 896	2 235	2 172	2 188	2 308	5 503	6 265	6 296	6 668	24 732
1984	2 000	2 222	2 274	2 238	2 383	2 597	2 225	2 023	2 363	2 372	2 221	2 168	6 496	7 218	6 611	6 761	27 086
1985	1 924	2 269	2 314	2 441	2 421	2 440	2 390	2 136	2 259	2 328	2 379	2 292	6 507	7 302	6 785	6 999	27 593
1986	2 187	2 364	2 424	2 460	2 310	2 337	2 177	1 761	1 922	1 925	1 949	2 032	6 975	7 107	5 860	5 906	25 848
1987	1 513	1 853	2 049	2 072	2 004	2 206	2 193	1 952	2 231	2 170	2 232	2 147	5 415	6 282	6 376	6 549	24 622
1988	1 976	2 257	2 410	2 447	2 362	2 464	2 514	2 164	2 363	2 297	2 261	2 234	6 643	7 273	7 041	6 792	27 749
1989	2 230	2 411	2 698	2 623	2 685	2 698	2 373	2 437	2 600	2 819	2 768	2 619	7 339	7 996	7 410	8 206	30 951
1990	2 508	2 861	3 080	2 662	2 825	2 921	2 391	2 622	2 633	2 806	3 128	2 617	8 449	8 608	7 646	8 551	33 254
Seasonally Adjusted—Millions of Dollars																	
1982	3 166	3 183	3 015	2 809	2 713	2 774	2 619	2 510	2 617	2 294	2 208	2 109	9 364	8 296	7 746	6 611	(X)
1983	1 991	1 792	1 874	1 914	2 014	2 087	2 172	2 045	2 163	2 158	2 189	2 324	5 657	6 015	6 380	6 671	(X)
1984	2 250	2 208	2 249	2 190	2 301	2 393	2 194	2 209	2 301	2 371	2 220	2 200	6 707	6 884	6 704	6 791	(X)
1985	2 173	2 276	2 265	2 355	2 334	2 251	2 326	2 351	2 215	2 337	2 380	2 355	6 714	6 940	6 892	7 072	(X)
1986	2 473	2 383	2 338	2 340	2 227	2 171	2 101	1 937	1 903	1 943	1 952	2 111	7 194	6 738	5 941	6 006	(X)
1987	1 707	1 867	1 944	1 959	1 938	2 061	2 110	2 136	2 232	2 193	2 236	2 253	5 518	5 958	6 478	6 682	(X)
1988	2 224	2 270	2 256	2 314	2 292	2 312	2 418	2 351	2 380	2 322	2 267	2 359	6 750	6 918	7 149	6 948	(X)
1989	2 502	2 418	2 503	2 491	2 608	2 528	2 288	2 629	2 626	2 844	2 780	2 778	7 423	7 627	7 543	8 402	(X)
1990	2 810	2 864	2 846	2 724	2 742	2 754	2 308	2 816	2 661	2 829	3 146	2 783	8 520	8 220	7 785	8 758	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-5.5	5	-5.3	-6.8	-3.4	2.2	-5.6	-4.2	4.3	-12.3	-3.7	-4.5	-5.8	-11.4	-6.6	-14.7	(X)
1983	-5.6	-10.0	4.6	2.1	5.2	3.6	4.1	-5.8	5.8	-2	1.4	6.2	-14.4	6.3	6.1	4.6	(X)
1984	-3.2	-1.9	1.9	-2.6	5.1	4.0	-8.3	7	4.2	3.0	-6.4	-9	5	2.6	-2.6	1.3	(X)
1985	-1.2	4.7	-5	4.0	-9	-3.6	3.3	1.1	-5.8	5.5	1.8	-1.1	-1.1	3.4	-7	2.6	(X)
1986	5.0	-3.6	-1.9	.1	-4.8	-2.5	-3.2	-7.8	-1.8	2.1	5	8.1	1.7	-6.3	-11.8	1.1	(X)
1987	-19.1	9.4	4.1	8	-1.1	6.3	2.4	1.2	4.5	-1.7	2.0	8	-8.1	8.0	8.7	3.1	(X)
1988	-1.3	2.1	-6	2.6	-1.0	9	4.6	-2.8	1.2	-2.4	-2.4	4.1	1.0	2.5	3.3	-2.8	(X)
1989	6.1	-3.4	3.5	-5	4.7	-3.1	-9.5	14.9	-1	8.3	-2.3	-1	6.8	2.7	-1.1	11.4	(X)
1990	1.2	1.9	-6	-4.3	7	4	-16.2	22.0	-5.5	6.3	11.2	-11.5	1.4	-3.5	-5.3	12.5	(X)

See footnotes at end of table.



# 8 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
METALWORKING MACHINERY—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	1 838	1 928	1 984	1 741	1 701	1 750	1 503	1 579	1 559	1 438	1 357	1 363	5 750	5 192	4 641	4 158	19 741
1983	1 356	1 381	1 422	1 370	1 389	1 427	1 248	1 363	1 535	1 552	1 482	1 490	4 159	4 186	4 146	4 524	17 015
1984	1 534	1 696	1 778	1 730	1 763	1 751	1 531	1 623	1 770	1 826	1 680	1 738	5 008	5 244	4 924	5 244	20 420
1985	1 628	1 840	1 959	1 779	1 826	1 880	1 682	1 676	1 930	2 004	1 873	1 875	5 427	5 485	5 288	5 752	21 952
1986	1 810	2 100	2 059	1 959	1 862	2 042	1 640	1 684	1 961	1 991	1 825	1 694	5 969	5 863	5 285	5 510	22 627
1987	1 689	1 901	1 953	1 790	1 755	1 898	1 526	1 641	1 948	1 984	1 997	1 922	5 543	5 443	5 115	5 903	22 004
1988	1 733	2 011	2 222	1 878	1 931	2 086	1 740	1 946	2 251	2 286	2 186	2 095	5 966	5 895	5 937	6 567	24 365
1989	1 754	2 206	2 434	2 066	2 183	2 403	1 925	2 002	2 197	2 281	2 094	2 396	6 394	6 652	6 124	6 771	25 941
1990	1 738	1 972	2 413	1 914	1 981	2 325	1 853	1 869	2 144	2 203	1 932	2 135	6 123	6 220	5 866	6 270	24 479
Seasonally Adjusted—Millions of Dollars																	
1982	1 922	1 843	1 825	1 720	1 703	1 671	1 673	1 687	1 505	1 380	1 398	1 400	5 590	5 094	4 865	4 178	(X)
1983	1 418	1 323	1 313	1 352	1 385	1 368	1 392	1 459	1 481	1 478	1 525	1 525	4 054	4 105	4 332	4 528	(X)
1984	1 616	1 623	1 644	1 708	1 758	1 679	1 720	1 747	1 701	1 729	1 719	1 774	4 883	5 143	5 168	5 222	(X)
1985	1 731	1 755	1 803	1 764	1 825	1 799	1 910	1 815	1 846	1 886	1 896	1 901	5 289	5 388	5 571	5 683	(X)
1986	1 958	2 001	1 881	1 960	1 871	1 943	1 877	1 831	1 867	1 861	1 828	1 710	5 840	5 774	5 575	5 389	(X)
1987	1 865	1 812	1 764	1 817	1 779	1 791	1 750	1 784	1 846	1 840	1 987	1 932	5 441	5 387	5 380	5 758	(X)
1988	1 959	1 922	1 987	1 934	1 967	1 953	1 993	2 111	2 127	2 109	2 168	2 102	5 868	5 854	6 231	6 379	(X)
1989	2 022	2 115	2 156	2 152	2 229	2 240	2 196	2 162	2 071	2 095	2 077	2 402	6 293	6 621	6 429	6 574	(X)
1990	2 036	1 895	2 124	2 007	2 021	2 164	2 108	2 012	2 021	1 916	2 140	2 140	6 055	6 192	6 141	6 077	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	1.3	-4.1	-1.0	-5.8	-1.0	-1.9	1	8	-10.8	-8.3	1.3	1	-5.7	-8.9	-4.5	-14.1	(X)
1983	1.3	-6.7	-8	3.0	2.4	-1.2	18	4.8	15	-2	3.2	-	-3.0	1.3	5.5	4.5	(X)
1984	6.0	4	1.3	3.9	2.8	-4.4	2.4	16	-2.6	16	-6	3.2	7.8	5.3	5	1.0	(X)
1985	-2.4	1.4	2.7	-2.2	-3.5	-1.4	6.2	-5.0	1.7	2.2	-5	3	1.3	1.9	3.4	2.0	(X)
1986	3.0	2.2	-6.0	4.2	-4.5	3.8	-3.4	-2.5	2.0	-3	-1.8	-6.5	2.8	-1.1	-3.4	-3.2	(X)
1987	9.1	-2.8	-2.6	3.0	-2.1	7	-2.3	1.9	3.5	-3	8.0	-2.8	8	-1.0	-7.1	7.0	(X)
1988	1.4	-1.9	3.4	-2.7	1.7	-7	2.0	5.9	8	-8	2.8	-3.0	1.9	-2	6.4	2.4	(X)
1989	-3.8	4.6	1.9	-2	3.6	5	-2.0	-1.5	-4.2	1.2	-9	15.6	-1.3	5.2	-2.9	2.3	(X)
1990	-15.2	-6.9	12.1	-5.5	7	7.1	-2.6	-4.6	4	-	-5.2	11.7	-7.9	2.3	-8	-1.0	(X)
COMPUTER AND OFFICE EQUIPMENT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	2 497	3 300	4 129	2 819	3 015	3 607	2 677	3 061	3 735	3 069	3 498	4 762	9 926	9 441	9 473	11 329	40 169
1983	2 501	3 114	4 315	3 225	3 217	4 345	3 297	3 552	4 282	3 691	3 988	5 537	9 930	10 787	11 131	13 216	45 064
1984	3 129	3 818	4 857	3 719	4 261	5 330	3 930	4 594	5 685	4 609	5 720	6 974	11 805	13 310	14 209	17 303	56 627
1985	3 665	4 430	6 162	3 986	4 582	6 291	3 861	4 438	6 201	4 581	5 191	7 012	14 257	14 859	14 500	16 784	60 400
1986	3 501	4 337	5 771	3 956	4 268	6 455	3 470	4 263	6 074	4 007	4 869	6 897	13 609	14 679	13 807	15 773	57 868
1987	3 713	4 424	5 602	3 970	4 448	6 298	4 084	4 505	6 641	4 620	5 065	7 257	13 739	14 716	15 230	16 942	60 627
1988	3 899	4 811	6 504	4 517	5 060	7 287	4 481	5 220	7 372	5 025	5 484	7 984	15 214	16 864	17 073	18 493	67 644
1989	4 159	4 703	6 880	4 686	5 168	7 903	4 480	5 313	7 777	4 950	5 554	8 344	15 742	17 757	17 570	18 848	69 917
1990	4 403	5 169	7 200	4 740	5 172	7 872	4 402	5 269	7 832	5 668	5 623	8 336	16 772	17 784	17 503	19 627	71 686
Seasonally Adjusted—Millions of Dollars																	
1982	3 313	3 554	3 670	3 247	3 311	3 218	3 229	3 249	3 285	3 221	3 349	3 432	10 537	9 776	9 763	10 002	(X)
1983	3 347	3 389	3 755	3 779	3 542	3 783	4 028	3 814	3 705	3 933	3 838	3 973	10 491	11 104	11 547	11 744	(X)
1984	4 219	4 213	4 155	4 437	4 713	4 522	4 851	4 999	4 809	4 965	5 557	4 991	12 587	13 672	14 659	15 513	(X)
1985	4 970	4 938	5 241	4 836	5 075	5 217	4 807	4 874	5 101	5 001	5 111	5 017	15 149	15 128	14 782	15 129	(X)
1986	4 766	4 877	4 890	4 865	4 748	5 218	4 367	4 724	4 867	4 424	4 872	4 940	14 533	14 832	13 958	14 236	(X)
1987	5 069	4 997	4 738	4 925	4 974	4 981	5 198	5 015	5 208	5 156	5 159	5 199	14 804	14 880	15 421	15 514	(X)
1988	5 331	5 460	5 487	5 624	5 697	5 659	5 749	5 827	5 698	5 642	5 684	5 727	16 278	16 980	17 274	17 053	(X)
1989	5 684	5 350	5 800	5 833	5 834	6 074	5 778	5 921	5 971	5 576	5 824	5 990	16 834	17 741	17 670	17 390	(X)
1990	6 017	5 888	6 061	5 903	5 840	6 016	5 700	5 865	6 000	6 394	5 925	5 983	17 966	17 759	17 565	18 302	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	1.6	7.3	3.3	-11.5	2.0	-2.8	3	6	1.1	-1.9	4.0	2.5	9.3	-7.2	-1	2.4	(X)
1983	-2.5	1.3	10.8	-6	-6.3	6.8	6.5	-5.3	-2.9	6.2	-2.4	3.5	4.9	5.8	4.0	1.7	(X)
1984	6.2	-1	-1.4	6.8	6.2	-4.1	7.3	3.1	-3.8	3.2	11.9	-10.2	7.2	8.6	7.2	5.8	(X)
1985	-4	-6	6.1	-7.7	4.9	2.8	-7.9	1.4	4.7	-2.0	2.2	-1.8	-2.3	-1	-2.3	2.3	(X)
1986	-5.0	2.3	3	-5	-2.4	9.9	-16.3	8.2	3.0	-9.1	10.1	1.4	-3.9	2.1	-5.9	2.0	(X)
1987	2.6	-1.4	-5.2	3.9	1.0	1	4.4	-3.5	3.8	-1.0	1	8	4.0	5	3.6	6	(X)
1988	2.5	2.4	5	2.5	1.3	-7	1.6	1.4	-2.2	-1.0	7	8	4.9	4.3	1.7	-1.3	(X)
1989	-8	-5.9	8.4	6	-	4.1	-4.9	2.5	8	-6.6	4.4	2.9	-1.3	5.4	-4	-1.6	(X)
1990	.5	-2.1	2.9	-2.6	-1.1	3.0	-5.3	2.9	2.3	6.6	-7.3	1.0	3.3	-1.2	-1.1	4.2	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	9 460	10 721	11 218	10 679	10 543	11 388	9 682	10 125	11 105	10 405	10 297	10 105	31 399	32 610	30 912	30 807	125 728
1983 ---	9 603	10 754	11 427	10 763	10 875	12 112	9 862	11 086	12 776	12 204	12 380	12 296	31 784	33 750	33 724	36 880	136 138
1984 ---	11 692	12 870	13 840	12 907	13 397	14 568	12 242	13 623	14 761	14 219	13 898	14 345	38 402	40 872	40 626	42 462	162 362
1985 ---	12 303	13 642	14 303	13 118	13 357	14 648	12 262	13 350	14 463	14 364	14 391	13 750	40 248	41 123	40 075	42 505	163 951
1986 ---	12 052	13 641	14 252	13 288	13 122	14 613	12 376	13 379	15 231	14 473	14 011	14 373	39 945	41 023	40 986	42 857	164 811
1987 ---	12 183	13 895	14 658	13 487	13 475	15 384	13 015	14 108	15 969	14 890	15 111	15 112	40 736	42 346	43 092	45 113	171 287
1988 ---	13 422	15 090	16 090	14 656	15 005	16 757	13 972	15 748	17 708	16 030	16 220	16 251	44 602	46 418	47 428	48 501	186 949
1989 ---	14 727	15 988	17 166	15 932	16 037	17 411	14 173	16 382	17 832	16 272	16 557	16 748	47 881	49 380	48 387	49 577	195 225
1990 ---	14 613	16 781	17 549	15 846	16 621	18 015	14 965	16 695	18 134	17 151	17 135	16 925	48 943	50 482	49 794	51 211	200 430
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 283	10 542	10 614	10 739	10 678	10 667	10 784	10 411	10 368	10 129	10 240	10 217	31 439	32 084	31 563	30 586	(X)
1983 ---	10 497	10 633	10 821	10 885	11 039	11 330	10 955	11 367	11 842	11 857	12 268	12 349	31 951	33 254	34 164	36 474	(X)
1984 ---	12 852	12 502	13 127	13 097	13 647	13 612	13 600	13 956	13 615	13 837	13 722	14 314	38 751	40 356	41 171	41 873	(X)
1985 ---	13 654	13 593	13 553	13 440	13 701	13 676	13 673	13 653	13 243	13 927	14 153	13 558	40 800	40 817	40 569	41 638	(X)
1986 ---	13 451	13 652	13 522	13 727	13 539	13 609	13 826	13 616	13 871	14 011	13 733	14 119	40 625	40 875	41 313	41 863	(X)
1987 ---	13 634	13 912	13 907	13 941	13 895	14 312	14 526	14 307	14 580	14 544	14 846	14 852	41 453	42 148	43 413	44 242	(X)
1988 ---	15 007	15 094	15 264	15 128	15 454	15 569	15 621	15 914	16 142	15 700	15 898	15 924	45 365	46 151	47 677	47 522	(X)
1989 ---	16 496	16 008	16 222	16 460	16 463	16 124	15 900	16 510	16 258	16 088	16 335	16 394	48 726	49 047	48 668	48 817	(X)
1990 ---	16 376	16 853	16 553	16 372	17 023	16 673	16 838	16 791	16 536	17 026	16 869	16 550	49 782	50 068	50 165	50 445	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.5	2.5	.7	1.2	-.6	-.1	1.1	-3.5	-.4	-2.3	1.1	-.2	2.9	2.1	-1.6	-3.1	(X)
1983 ---	2.7	1.3	1.8	.6	1.4	2.6	-3.3	3.8	4.2	1	3.5	.7	4.5	4.1	2.7	6.8	(X)
1984 ---	4.1	-.6	2.8	-.2	4.2	-.3	-.1	2.6	-2.4	1.6	-.8	4.3	6.2	4.1	2.0	1.7	(X)
1985 ---	-4.6	-.4	-.3	-.8	1.9	-.2	-	-.1	-3.0	5.2	1.6	-.4	-2.6	-	-.6	2.6	(X)
1986 ---	-.8	1.5	-1.0	1.5	-1.4	.5	1.6	-1.5	1.9	1.0	-2.0	2.8	-2.4	.6	1.1	1.3	(X)
1987 ---	-3.4	2.0	-	.2	-.3	3.0	1.5	-1.5	1.9	-.2	2.1	-	-1.0	1.7	3.0	1.9	(X)
1988 ---	1.0	.6	1.1	-.9	2.2	.7	3	1.9	1.4	-2.7	1.3	2	2.5	1.7	3.3	-.3	(X)
1989 ---	3.6	-3.0	1.3	1.5	-	-2.1	-1.4	3.8	-1.5	-1.0	1.5	.4	2.5	.7	-.8	-.3	(X)
1990 ---	-.1	2.9	-1.8	-1.1	4.0	-2.1	1.0	-.3	-1.5	3.0	-.9	-1.9	2.0	6	2	6	(X)
ELECTRICAL TRANSMISSION AND DISTRIBUTION EQUIPMENT AND INDUSTRIAL APPARATUS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 682	1 888	1 944	1 799	1 814	1 897	1 521	1 627	1 813	1 587	1 593	1 733	5 514	5 510	4 961	4 913	20 898
1983 ---	1 527	1 703	1 807	1 682	1 624	1 807	1 389	1 732	1 990	1 722	1 795	1 890	5 037	5 113	5 111	5 407	20 668
1984 ---	1 732	1 911	2 154	1 940	1 983	2 131	1 767	1 924	2 251	1 959	1 998	2 223	5 797	6 054	5 942	6 180	23 973
1985 ---	1 666	1 908	2 211	1 908	1 954	2 182	1 719	1 968	2 095	2 093	2 122	2 000	5 785	6 044	5 782	6 215	23 826
1986 ---	1 810	2 016	2 260	1 963	1 957	2 139	1 761	1 919	2 147	1 944	1 857	2 032	6 086	6 059	5 827	5 833	23 805
1987 ---	1 620	1 977	2 122	1 896	1 908	2 126	1 764	1 830	2 232	1 987	2 001	2 000	5 719	5 930	5 826	5 988	23 463
1988 ---	1 805	2 094	2 233	2 041	2 093	2 291	1 898	2 123	2 506	2 285	2 281	2 266	6 132	6 425	6 527	6 832	25 916
1989 ---	2 168	2 483	2 585	2 434	2 389	2 560	2 058	2 302	2 576	2 277	2 247	2 334	7 236	7 383	6 936	6 858	28 413
1990 ---	2 123	2 497	2 627	2 310	2 394	2 686	2 108	2 296	2 655	2 346	2 270	2 135	7 247	7 390	7 059	6 751	28 447
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 816	1 832	1 789	1 797	1 808	1 762	1 744	1 678	1 692	1 617	1 614	1 724	5 437	5 367	5 114	4 955	(X)
1983 ---	1 660	1 671	1 649	1 689	1 630	1 679	1 591	1 782	1 829	1 760	1 821	1 874	4 980	4 998	5 202	5 455	(X)
1984 ---	1 895	1 889	1 952	1 957	2 001	1 980	2 021	1 979	2 047	1 998	2 027	2 208	5 736	5 938	6 047	6 233	(X)
1985 ---	1 838	1 891	1 996	1 938	1 977	2 028	1 960	2 029	1 892	2 123	2 154	1 991	5 725	5 943	5 881	6 268	(X)
1986 ---	2 010	1 994	2 042	1 996	1 981	1 986	2 001	1 979	1 935	1 961	1 886	2 041	6 046	5 963	5 915	5 888	(X)
1987 ---	1 806	1 943	1 926	1 925	1 928	1 971	2 001	1 891	2 010	1 999	2 042	2 022	5 675	5 824	5 902	6 063	(X)
1988 ---	2 012	2 038	2 036	2 065	2 112	2 121	2 155	2 195	2 257	2 300	2 334	2 302	6 086	6 298	6 607	6 936	(X)
1989 ---	2 416	2 400	2 368	2 453	2 404	2 368	2 339	2 387	2 317	2 296	2 304	2 378	7 184	7 225	7 043	6 978	(X)
1990 ---	2 368	2 407	2 408	2 327	2 405	2 484	2 402	2 379	2 388	2 365	2 326	2 180	7 183	7 216	7 169	6 871	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.7	.9	-2.3	.4	.6	-2.5	-1.0	-3.8	.8	-4.4	-.2	6.8	-.6	-1.3	-4.7	-3.1	(X)
1983 ---	-3.7	.7	-1.3	2.4	-3.5	3.0	-5.2	12.0	2.6	-3.8	3.5	2.9	.5	.4	4.1	4.9	(X)
1984 ---	1.1	-.3	3.3	.3	2.2	-1.0	2.1	-2.1	3.4	-2.4	1.5	8.9	5.2	3.5	1.8	3.1	(X)
1985 ---	-16.8	2.9	5.6	-2.9	2.0	2.6	-3.4	3.5	-6.8	12.2	1.5	-7.6	-8.2	3.8	-1.0	6.6	(X)
1986 ---	1.0	-.8	2.4	-2.3	-.8	.3	.8	-1.1	-2.2	1.3	-3.8	8.2	-3.5	-1.4	-.8	-.5	(X)
1987 ---	-11.5	7.6	-.9	-.1	.2	2.2	1.5	-5.5	6.3	-.5	2.2	-1.0	-3.6	2.6	1.3	2.7	(X)
1988 ---	-.5	1.3	-.1	1.4	2.3	.4	1.6	1.9	2.8	1.9	1.5	-1.4	.4	3.5	4.9	5.0	(X)
1989 ---	5.0	-.7	-1.3	3.6	-2.0	-1.5	-1.2	2.1	-2.9	-.9	.3	3.2	3.6	6	-2.5	-.9	(X)
1990 ---	-.4	1.6	-	-3.4	3.4	3.3	-3.3	-1.0	.4	-1.0	-1.6	-6.3	2.9	.5	-.7	-4.2	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
HOUSEHOLD APPLIANCES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	886	1 048	1 114	1 061	1 042	1 148	1 039	1 135	1 160	1 108	1 001	902	3 048	3 251	3 334	3 011	12 644
1983 ---	1 086	1 151	1 215	1 191	1 195	1 288	1 188	1 300	1 352	1 284	1 148	1 058	3 452	3 674	3 840	3 490	14 456
1984 ---	1 216	1 282	1 379	1 233	1 366	1 658	1 358	1 431	1 460	1 375	1 197	1 224	3 877	4 257	4 249	3 796	16 179
1985 ---	1 274	1 284	1 315	1 276	1 361	1 536	1 274	1 349	1 494	1 381	1 351	1 221	3 873	4 173	4 117	3 953	16 116
1986 ---	1 216	1 263	1 360	1 324	1 341	1 503	1 409	1 472	1 597	1 545	1 314	1 142	3 839	4 168	4 478	4 001	16 486
1987 ---	1 256	1 371	1 386	1 371	1 352	1 600	1 344	1 414	1 464	1 442	1 286	1 212	4 013	4 323	4 222	3 940	16 498
1988 ---	1 294	1 324	1 502	1 422	1 457	1 639	1 438	1 545	1 672	1 439	1 308	1 292	4 120	4 518	4 655	4 039	17 332
1989 ---	1 351	1 492	1 639	1 577	1 567	1 668	1 452	1 539	1 591	1 592	1 445	1 479	4 482	4 812	4 582	4 516	18 392
1990 ---	1 389	1 555	1 715	1 564	1 560	1 758	1 483	1 473	1 542	1 494	1 421	1 429	4 659	4 882	4 498	4 344	18 383
Seasonally Adjusted—Millions of Dollars																	
1982 ---	952	1 043	1 066	1 066	1 049	1 058	1 067	1 089	1 063	1 064	1 083	1 037	3 061	3 173	3 219	3 184	(X)
1983 ---	1 160	1 158	1 171	1 197	1 198	1 176	1 213	1 243	1 232	1 238	1 250	1 216	3 489	3 571	3 688	3 704	(X)
1984 ---	1 300	1 304	1 342	1 242	1 362	1 494	1 380	1 369	1 327	1 327	1 401	1 307	3 946	4 098	4 076	4 035	(X)
1985 ---	1 367	1 319	1 284	1 288	1 355	1 370	1 290	1 291	1 360	1 331	1 478	1 389	3 970	4 013	3 941	4 198	(X)
1986 ---	1 314	1 304	1 328	1 335	1 332	1 330	1 429	1 415	1 462	1 491	1 436	1 291	3 946	3 997	4 306	4 218	(X)
1987 ---	1 372	1 419	1 339	1 375	1 341	1 412	1 363	1 365	1 354	1 399	1 404	1 359	4 130	4 128	4 082	4 162	(X)
1988 ---	1 430	1 365	1 434	1 416	1 441	1 443	1 462	1 499	1 566	1 405	1 425	1 438	4 229	4 300	4 527	4 268	(X)
1989 ---	1 506	1 534	1 545	1 562	1 547	1 468	1 478	1 497	1 507	1 565	1 572	1 635	4 585	4 577	4 482	4 772	(X)
1990 ---	1 554	1 595	1 606	1 546	1 536	1 546	1 513	1 435	1 468	1 475	1 546	1 571	4 755	4 628	4 416	4 592	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-3.0	9.6	2.2	-	-1.6	9	9	2.1	-2.4	1	1.8	-4.2	3	3.7	1.4	-1.1	(X)
1983 ---	11.9	-2	1.1	2.2	1	-1.8	3.1	2.5	-9	5	1.0	-2.7	9.6	2.4	3.3	4	(X)
1984 ---	6.9	3	2.9	-7.5	9.7	9.7	-7.6	-8	-3.1	-	-1.5	7.2	6.5	3.9	-5	-1.0	(X)
1985 ---	-2.4	-3.5	-2.7	3	5.2	1.1	-5.8	1	5.3	-2.1	11.0	-6.0	-1.6	1.1	-1.8	6.5	(X)
1986 ---	-5.4	-8	1.8	5	-2	-2	7.4	-1.0	3.3	2.0	-3.7	-10.1	-6.0	1.3	7.7	-2.0	(X)
1987 ---	6.3	3.4	-5.6	2.7	-2.5	5.3	-3.5	1	-8	3.3	4	-3.2	-2.1	-	-1.1	2.0	(X)
1988 ---	5.2	-4.5	5.1	-1.3	1.8	1	1.3	2.5	4.5	-10.3	1.4	9	1.6	1.7	5.3	-5.7	(X)
1989 ---	4.7	1.9	7	1.1	-1.0	-5.1	7	1.3	7	3.8	4	4.0	7.4	-2	-2.1	6.5	(X)
1990 ---	-5.0	2.6	7	-3.7	-6	7	-2.1	-5.2	2.3	5	4.8	1.6	-4	-2.7	-4.6	4.0	(X)
ELECTRIC LIGHTING AND WIRING EQUIPMENT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	960	1 076	1 088	985	1 039	1 084	924	976	1 067	1 063	1 056	968	3 124	3 108	2 967	3 087	12 286
1983 ---	939	1 052	1 062	1 042	1 053	1 141	979	1 092	1 275	1 304	1 287	1 226	3 053	3 236	3 346	3 817	13 452
1984 ---	1 202	1 260	1 271	1 187	1 176	1 271	1 105	1 223	1 381	1 385	1 331	1 310	3 733	3 634	3 709	4 026	15 102
1985 ---	1 144	1 281	1 308	1 184	1 247	1 414	1 232	1 326	1 422	1 531	1 541	1 406	3 733	3 845	3 980	4 478	16 036
1986 ---	1 197	1 365	1 321	1 258	1 297	1 479	1 219	1 327	1 557	1 593	1 549	1 566	3 883	4 034	4 103	4 708	16 728
1987 ---	1 256	1 465	1 459	1 392	1 383	1 569	1 318	1 478	1 688	1 683	1 734	1 579	4 180	4 344	4 484	4 996	18 004
1988 ---	1 475	1 629	1 690	1 529	1 582	1 761	1 469	1 585	1 689	1 647	1 625	1 555	4 794	4 872	4 743	4 827	19 236
1989 ---	1 464	1 490	1 442	1 301	1 347	1 451	1 150	1 371	1 413	1 269	1 387	1 412	4 396	4 099	3 934	4 068	16 497
1990 ---	1 056	1 345	1 381	1 191	1 259	1 361	1 110	1 334	1 416	1 282	1 341	1 382	3 782	3 811	3 860	4 005	15 458
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 027	1 054	1 057	1 045	1 084	1 047	1 051	1 010	985	970	993	966	3 138	3 176	3 046	2 929	(X)
1983 ---	1 017	1 033	1 039	1 107	1 099	1 098	1 107	1 132	1 172	1 186	1 207	1 215	3 089	3 304	3 411	3 608	(X)
1984 ---	1 315	1 241	1 253	1 264	1 231	1 217	1 246	1 269	1 264	1 258	1 245	1 287	3 809	3 712	3 779	3 790	(X)
1985 ---	1 261	1 267	1 297	1 263	1 311	1 347	1 388	1 373	1 300	1 392	1 438	1 370	3 825	3 921	4 061	4 200	(X)
1986 ---	1 326	1 354	1 314	1 346	1 367	1 401	1 376	1 365	1 426	1 457	1 444	1 516	3 994	4 114	4 167	4 417	(X)
1987 ---	1 396	1 453	1 453	1 495	1 453	1 479	1 493	1 506	1 552	1 558	1 619	1 521	4 302	4 427	4 551	4 698	(X)
1988 ---	1 641	1 611	1 680	1 645	1 653	1 657	1 676	1 597	1 558	1 546	1 521	1 490	4 932	4 955	4 831	4 557	(X)
1989 ---	1 628	1 469	1 429	1 402	1 401	1 367	1 318	1 368	1 306	1 205	1 303	1 346	4 526	4 170	3 992	3 854	(X)
1990 ---	1 174	1 325	1 364	1 285	1 307	1 283	1 274	1 323	1 311	1 224	1 263	1 314	3 863	3 875	3 908	3 801	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	6.9	2.6	3	-1.1	3.7	-3.4	4	-3.9	-2.5	-1.5	2.4	-2.7	2.5	1.2	-4.1	-3.8	(X)
1983 ---	5.3	1.6	6	6.5	-7	-1	8	2.3	3.5	1.2	1.8	7	5.5	7.0	3.2	5.8	(X)
1984 ---	8.2	-5.6	1.0	9	-2.6	-1.1	2.4	1.8	-4	-5	-1.0	3.4	5.6	-2.5	1.8	3	(X)
1985 ---	-2.0	5	2.4	-2.6	3.8	2.7	3.0	-1.1	-5.3	7.1	3.3	-4.7	9	2.5	3.6	3.4	(X)
1986 ---	-3.2	2.1	-3.0	2.4	1.6	2.5	-1.8	-8	4.5	2.2	-9	5.0	-4.9	3.0	1.3	6.0	(X)
1987 ---	-7.9	4.1	-	2.9	-2.8	1.8	9	9	3.1	4	3.9	-6.1	-2.6	2.9	2.8	3.2	(X)
1988 ---	7.9	-1.8	4.3	-2.1	5	2	1.1	-4.7	-2.1	-8	-1.6	-2.0	5.0	5	-2.5	-5.7	(X)
1989 ---	9.3	-9.8	-2.7	-1.9	-1	-2.4	-3.6	3.8	-4.5	-7.7	8.1	3.3	-7	-7.9	-4.3	-3.5	(X)
1990 ---	-12.8	12.9	2.9	-5.8	1.7	-1.8	-7	3.8	-9	-6.6	3.2	4.0	2	3	9	-2.7	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
HOUSEHOLD AUDIO AND VIDEO EQUIPMENT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	542	648	722	585	615	777	612	621	768	686	654	603	1 912	1 977	2 001	1 943	7 833
1983 ---	591	676	679	675	666	885	684	692	902	913	804	766	1 946	2 226	2 278	2 483	8 933
1984 ---	775	767	831	693	799	867	706	817	946	950	897	865	2 373	2 359	2 469	2 712	9 911
1985 ---	823	910	966	844	824	1 001	849	913	1 114	1 116	1 081	1 017	2 699	2 669	2 876	3 214	11 458
1986 ---	940	996	1 064	889	849	1 145	899	1 021	1 235	1 158	965	830	3 000	2 883	3 155	2 953	11 991
1987 ---	739	680	583	555	638	735	460	612	798	729	730	574	2 002	1 928	1 870	2 033	7 833
1988 ---	542	577	613	498	650	666	560	775	989	880	897	713	1 732	1 814	2 324	2 490	8 360
1989 ---	627	660	743	609	624	873	608	868	1 008	980	895	748	2 030	2 106	2 484	2 623	9 243
1990 ---	625	711	754	533	598	851	616	774	1 045	1 027	1 015	817	2 090	1 982	2 435	2 859	9 366
Seasonally Adjusted—Millions of Dollars																	
1982 ---	611	672	721	662	698	681	706	628	652	600	608	621	2 004	2 041	1 986	1 829	(X)
1983 ---	654	701	671	766	755	783	778	704	764	800	758	787	2 026	2 304	2 246	2 345	(X)
1984 ---	847	795	818	788	913	776	802	833	795	825	841	885	2 460	2 477	2 430	2 551	(X)
1985 ---	894	946	950	979	956	907	976	922	920	954	991	1 040	2 790	2 842	2 818	2 985	(X)
1986 ---	1 027	1 049	1 056	1 057	1 001	1 042	1 057	1 017	995	974	859	849	3 132	3 100	3 069	2 682	(X)
1987 ---	622	728	583	683	765	667	553	600	625	603	633	589	2 133	2 115	1 778	1 825	(X)
1988 ---	618	627	619	630	788	598	686	753	760	718	762	736	1 864	2 016	2 199	2 216	(X)
1989 ---	732	723	755	788	762	779	755	836	766	793	750	775	2 210	2 329	2 357	2 318	(X)
1990 ---	743	781	769	696	731	757	770	742	791	830	845	847	2 293	2 184	2 303	2 522	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-14.8	10.0	7.3	-8.2	5.4	-2.4	3.7	-11.0	3.8	-8.0	1.3	2.1	-5.6	1.8	-2.7	-7.9	(X)
1983 ---	5.3	7.2	-4.3	14.2	-1.4	3.7	-6	-9.5	8.5	4.7	-5.2	3.8	10.8	13.7	-2.5	4.4	(X)
1984 ---	7.6	-6.1	2.9	-3.7	15.9	-15.0	3.4	3.9	-4.6	3.8	1.9	5.2	4.9	7	-1.9	5.0	(X)
1985 ---	1.0	5.8	4	3.1	-2.3	-5.1	7.6	-5.5	-2	3.7	3.9	4.9	9.4	1.9	-8	5.9	(X)
1986 ---	-1.2	2.1	7	1	-5.3	4.1	1.4	-3.8	-2.2	-2.1	-11.8	-1.2	4.9	-1.0	-1.0	-12.6	(X)
1987 ---	-3.2	-11.4	-19.9	17.2	12.0	-12.8	-17.1	8.5	4.2	-3.5	5.0	-7.0	-20.5	-8	-15.9	2.6	(X)
1988 ---	4.9	1.5	-1.3	1.8	25.1	-24.1	14.7	9.8	9	-5.5	6.1	-3.4	2.1	8.2	9.1	8	(X)
1989 ---	-5	-1.2	4.4	4.4	-3.3	2.2	-3.1	10.7	-8.4	3.5	-5.4	3.3	-3	5.4	1.2	-1.7	(X)
1990 ---	-4.1	5.1	-1.5	-9.5	5.0	3.6	1.7	-3.6	6.6	4.9	1.8	2	-1.1	-4.8	5.4	9.5	(X)
COMMUNICATION EQUIPMENT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 848	2 147	2 332	2 273	2 093	2 317	1 989	1 987	2 193	2 115	2 056	2 269	6 327	6 683	6 169	6 440	25 619
1983 ---	1 863	2 141	2 420	2 213	2 187	2 574	1 936	2 034	2 418	2 254	2 504	2 782	6 424	6 974	6 388	7 540	27 326
1984 ---	2 053	2 432	2 826	2 502	2 687	2 845	2 304	2 655	2 650	2 762	2 873	3 242	7 311	8 034	7 609	8 877	31 831
1985 ---	2 536	2 942	3 103	2 850	2 940	3 055	2 583	2 820	3 110	3 001	3 054	3 380	8 581	8 845	8 513	9 435	35 374
1986 ---	2 862	2 862	3 002	2 771	2 653	2 995	2 454	2 664	3 112	2 806	2 874	3 391	8 246	8 419	8 230	9 071	33 966
1987 ---	2 241	2 675	3 148	2 662	2 591	3 114	2 533	2 676	3 201	2 703	2 882	3 575	8 064	8 367	8 410	9 160	34 001
1988 ---	2 297	2 827	3 349	2 683	2 739	3 420	2 494	2 995	3 428	2 755	3 133	3 973	8 473	8 842	8 917	9 861	36 093
1989 ---	2 769	3 105	3 821	3 423	3 595	4 119	2 886	3 610	4 022	3 308	3 739	4 313	9 695	11 137	10 518	11 360	42 710
1990 ---	3 219	4 056	4 076	3 774	3 868	4 176	3 395	3 896	4 196	3 904	3 914	4 639	11 351	11 818	11 487	12 457	47 113
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 091	2 134	2 115	2 236	2 092	2 159	2 236	2 124	2 121	2 134	2 071	2 065	6 340	6 487	6 481	6 270	(X)
1983 ---	2 135	2 133	2 203	2 197	2 197	2 409	2 169	2 167	2 320	2 276	2 491	2 481	6 471	6 803	6 676	7 248	(X)
1984 ---	2 384	2 434	2 578	2 518	2 721	2 666	2 625	2 819	2 514	2 798	2 828	2 818	7 396	7 905	7 958	8 444	(X)
1985 ---	3 003	2 961	2 826	2 915	3 007	2 855	2 968	2 976	2 907	3 057	2 997	2 877	8 790	8 777	8 851	8 931	(X)
1986 ---	2 861	2 908	2 731	2 874	2 733	2 774	2 840	2 791	2 875	2 894	2 825	2 834	8 500	8 381	8 506	8 553	(X)
1987 ---	2 720	2 741	2 862	2 781	2 680	2 852	2 948	2 778	2 933	2 827	2 858	2 970	8 323	8 313	8 659	8 655	(X)
1988 ---	2 783	2 919	3 038	2 796	2 828	3 106	2 915	3 087	3 131	2 930	3 126	3 274	8 740	8 730	9 133	9 330	(X)
1989 ---	3 340	3 223	3 456	3 571	3 697	3 720	3 388	3 692	3 673	3 554	3 763	3 553	10 019	10 988	10 753	10 870	(X)
1990 ---	3 838	4 223	3 678	3 950	3 957	3 753	4 005	3 963	3 843	4 214	3 937	3 861	11 739	11 660	11 811	12 012	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	10.1	2.1	-9	5.7	-6.4	3.2	3.6	-5.0	-1	6	-3.0	-3	7.1	2.3	-1	-3.3	(X)
1983 ---	3.4	-1	3.3	-3	-	9.6	-9.1	-1.0	7.1	-1.9	9.4	-4	3.2	5.1	-1.9	8.6	(X)
1984 ---	-3.9	2.1	5.9	-2.3	8.1	-2.0	-1.5	7.4	-10.8	11.3	1.1	-4	2.0	6.9	7	6.1	(X)
1985 ---	6.6	-1.4	-4.6	3.1	3.2	-5.1	4.0	3	-2.3	5.2	-2.0	-4.0	4.1	-1	8	9	(X)
1986 ---	-6	1.6	-6.1	5.2	-4.9	1.5	2.4	-1.7	3.0	7	-2.4	3	-4.8	-1.4	1.5	6	(X)
1987 ---	-4.0	8	4.4	-2.8	-3.6	6.4	3.4	-5.8	5.6	-3.6	1.1	3.9	-2.7	-1	4.2	-	(X)
1988 ---	-6.3	4.9	4.1	-8.0	1.1	9.8	-6.1	5.9	1.4	-6.4	6.7	4.7	1.0	-1	4.6	2.2	(X)
1989 ---	2.0	-3.5	7.2	3.3	3.5	6	-8.9	9.0	-5	-3.2	5.9	-5.6	7.4	9.7	-2.1	1.1	(X)
1990 ---	8.0	10.0	-12.9	7.4	2	-5.2	6.7	-1.0	-3.0	9.7	-6.6	-1.9	8.0	-7	1.3	1.7	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
ELECTRONIC COMPONENTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	2 517	2 759	2 852	2 911	2 829	2 990	2 596	2 727	2 944	2 702	2 799	2 582	8 128	8 730	8 267	8 083	33 208
1983 ---	2 592	2 897	3 085	2 834	3 005	3 159	2 605	3 020	3 397	3 252	3 347	3 124	8 574	8 998	9 022	9 723	36 317
1984 ---	3 274	3 684	3 805	3 879	3 891	4 194	3 601	4 012	4 319	4 040	3 923	3 863	10 763	11 964	11 932	11 826	46 485
1985 ---	3 445	3 763	3 834	3 650	3 553	3 798	3 166	3 419	3 581	3 434	3 449	3 082	11 042	11 001	10 166	9 965	42 174
1986 ---	3 089	3 522	3 684	3 573	3 465	3 586	3 144	3 374	3 695	3 485	3 564	3 503	10 295	10 624	10 213	10 552	41 684
1987 ---	3 526	3 933	4 180	3 907	3 938	4 360	4 032	4 377	4 618	4 418	4 543	4 426	11 639	12 205	13 027	13 387	50 258
1988 ---	4 243	4 780	4 824	4 747	4 717	5 055	4 521	4 847	5 195	4 756	4 694	4 620	13 847	14 519	14 563	14 070	56 999
1989 ---	4 626	4 941	5 265	5 034	4 889	5 248	4 530	4 947	5 402	5 009	5 039	4 860	14 832	15 171	14 879	14 908	59 790
1990 ---	4 781	5 167	5 388	5 087	5 223	5 434	4 812	5 260	5 404	5 195	5 246	4 921	15 336	15 744	15 476	15 362	61 918
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 687	2 674	2 733	2 809	2 790	2 824	2 843	2 790	2 786	2 701	2 802	2 756	8 094	8 423	8 419	8 259	(X)
1983 ---	2 780	2 822	2 954	2 739	2 967	2 973	2 854	3 075	3 203	3 255	3 344	3 334	8 556	8 679	9 132	9 933	(X)
1984 ---	3 533	3 596	3 631	3 767	3 864	3 940	3 944	4 064	4 070	4 046	3 917	4 111	10 760	11 561	12 078	12 074	(X)
1985 ---	3 730	3 674	3 643	3 562	3 537	3 572	3 460	3 448	3 374	3 443	3 450	3 260	11 047	10 671	10 282	10 153	(X)
1986 ---	3 345	3 441	3 485	3 505	3 479	3 378	3 427	3 390	3 381	3 500	3 572	3 686	10 271	10 353	10 298	10 758	(X)
1987 ---	3 808	3 846	3 944	3 849	3 958	4 121	4 378	4 388	4 345	4 450	4 561	4 639	11 598	11 928	13 111	13 650	(X)
1988 ---	4 562	4 683	4 545	4 697	4 753	4 788	4 898	4 848	4 882	4 800	4 714	4 834	13 790	14 238	14 628	14 348	(X)
1989 ---	4 958	4 846	4 965	4 996	4 925	4 979	4 901	4 939	5 069	5 060	5 063	5 082	14 769	14 900	14 909	15 205	(X)
1990 ---	5 114	5 073	5 087	5 057	5 262	5 154	5 204	5 247	5 067	5 248	5 273	5 148	15 274	15 473	15 518	15 669	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.9	-5	2.2	2.8	-7	1.2	-7	-1.9	-1	-3.1	3.7	-1.6	5.9	4.1	-	-1.9	(X)
1983 ---	9	1.5	4.7	-7.3	8.3	-2	-4.0	7.7	4.2	1.6	2.7	-3	3.6	1.4	5.2	8.8	(X)
1984 ---	6.0	1.8	1.0	3.7	2.3	2.2	-1	3.0	-1	-6	-3.2	5.0	8.3	7.4	4.5	-	(X)
1985 ---	-9.3	-1.5	-8	-2.2	-7	1.0	-3.1	-3	-2.1	2.0	2	-5.5	-8.5	-3.4	-3.6	-1.3	(X)
1986 ---	2.6	2.9	1.3	6	-1.0	-2.7	1.5	-1.1	2.7	5	2.1	3.2	1.2	8	-5	4.5	(X)
1987 ---	3.3	1.0	2.5	-2.4	2.8	4.1	6.2	-2	-1.0	2.4	2.5	1.7	7.8	2.8	9.9	4.1	(X)
1988 ---	-1.7	2.7	-2.9	3.3	1.2	7	2.3	-1.0	7	-1.7	-1.8	2.5	1.0	3.2	2.7	-1.9	(X)
1989 ---	2.6	-2.3	2.5	6	-1.4	1.1	-1.6	8	2.6	-2	1	4	2.9	9	1	2.0	(X)
1990 ---	6	-8	.3	-6	4.1	-2.1	1.0	8	-3.4	3.6	5	-2.4	5	1.3	.3	1.0	(X)
TRANSPORTATION EQUIPMENT, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	13 235	15 930	17 797	17 690	18 789	19 721	15 600	15 479	17 611	17 176	16 097	16 222	46 962	56 200	48 690	49 495	201 347
1983 ---	16 539	19 332	20 627	20 033	20 446	22 726	17 619	18 746	22 131	22 353	22 515	22 325	56 498	63 205	58 496	67 193	245 392
1984 ---	21 828	24 217	25 277	24 139	23 720	25 537	20 005	22 052	23 492	25 001	25 209	24 116	71 322	73 996	65 549	74 326	284 593
1985 ---	23 562	26 140	27 467	25 950	26 182	26 784	20 971	23 736	26 842	27 567	26 603	25 576	77 169	78 916	71 549	79 746	307 380
1986 ---	25 243	27 563	26 907	28 018	27 522	28 630	22 863	23 963	27 270	28 800	26 956	28 953	79 713	84 170	74 096	84 709	322 688
1987 ---	25 125	30 247	31 578	28 776	28 708	29 475	21 393	23 662	28 781	29 518	28 281	27 392	86 950	86 959	73 836	85 191	332 936
1988 ---	25 341	29 225	31 477	29 638	30 727	31 323	22 952	26 883	30 746	32 729	31 042	31 965	86 043	91 688	80 581	95 736	354 048
1989 ---	29 245	32 417	32 833	32 994	32 131	32 016	22 096	30 613	33 380	31 262	31 690	31 759	94 495	97 141	86 089	94 711	372 436
1990 ---	22 398	32 108	35 048	31 978	34 540	37 276	25 473	32 458	33 416	34 345	29 803	28 476	89 554	103 794	91 347	92 624	377 319
Seasonally Adjusted—Millions of Dollars																	
1982 ---	14 713	15 794	16 310	16 853	17 883	18 054	18 176	17 335	17 144	16 657	15 941	16 758	46 817	52 790	52 655	49 356	(X)
1983 ---	18 272	19 003	18 913	19 099	19 416	20 795	20 689	20 934	21 655	21 583	22 227	23 558	56 188	59 310	63 278	67 368	(X)
1984 ---	23 644	23 428	23 171	22 976	22 517	23 451	23 806	24 649	23 061	24 209	24 841	25 096	70 243	68 944	71 516	74 146	(X)
1985 ---	25 454	25 027	25 201	24 795	24 972	24 795	25 214	26 520	26 343	26 647	26 132	26 015	75 682	74 562	78 077	78 794	(X)
1986 ---	27 406	26 222	24 666	26 850	26 385	26 678	27 876	26 796	26 673	27 703	26 421	29 282	78 294	79 913	81 345	83 406	(X)
1987 ---	27 445	28 781	28 895	27 698	27 495	27 508	26 490	26 275	28 005	28 123	27 719	27 262	85 121	82 701	80 770	83 104	(X)
1988 ---	28 009	27 957	28 775	28 560	29 283	29 223	29 014	29 768	29 749	31 116	30 492	32 173	84 741	87 066	88 531	93 781	(X)
1989 ---	32 163	31 076	30 013	31 778	30 556	29 771	27 985	33 643	32 172	29 674	31 216	31 204	93 252	92 105	93 800	92 094	(X)
1990 ---	25 245	31 097	32 046	30 989	32 908	34 773	32 626	35 512	32 118	32 674	29 439	26 751	88 388	98 670	100 256	88 864	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-8.5	7.3	3.3	3.3	6.1	1.0	-7	-4.6	-1.1	-2.8	-4.3	5.1	-4.5	12.8	-3	-6.3	(X)
1983 ---	9.0	4.0	-5	1.0	1.7	7.1	-5	1.2	3.4	-3	3.0	6.0	13.8	5.6	6.7	6.5	(X)
1984 ---	.4	-9	-1.1	-8	-2.0	4.1	1.5	3.5	-6.4	5.0	2.6	1.0	4.3	-1.8	3.7	3.7	(X)
1985 ---	1.4	-1.7	7	-1.6	7	-7	1.7	5.2	-7	1.2	-1.9	-4	2.1	-1.5	4.7	9	(X)
1986 ---	5.3	-4.3	-5.9	8.9	-1.7	1.1	4.5	-3.9	-5	3.9	-4.6	10.8	-6	2.1	1.8	2.5	(X)
1987 ---	-6.3	4.9	4	-4.1	-7	-	-3.7	-8	6.6	4	-1.4	-1.6	2.1	-2.8	-2.3	2.9	(X)
1988 ---	2.7	-2	2.9	-7	2.5	-2	-7	2.6	-1	4.6	-2.0	5.5	2.0	2.7	1.7	5.9	(X)
1989 ---	-	-3.4	-3.4	5.9	-3.8	-2.6	-6.0	20.2	-4.4	-7.8	5.2	-	-6	-1.2	1.8	-1.8	(X)
1990 ---	-19.1	23.2	3.1	-3.3	6.2	5.7	-6.2	8.8	-9.6	1.7	-9.9	-9.1	-4.0	11.6	1.6	-11.4	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
MOTOR VEHICLES AND PARTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	7 369	8 763	10 058	10 619	11 005	11 547	8 572	8 712	9 863	9 635	8 471	7 656	26 190	33 171	27 147	25 762	112 270
1983 ---	9 778	11 608	11 945	11 902	12 714	13 631	10 245	11 272	13 680	14 582	14 262	12 677	33 331	38 247	35 197	41 521	148 296
1984 ---	14 838	16 157	16 804	15 839	15 552	16 308	12 228	14 026	14 379	16 170	16 198	13 494	47 799	47 699	40 633	45 862	181 996
1985 ---	16 013	17 034	17 555	16 734	17 408	16 788	12 357	14 352	17 206	17 507	17 005	13 486	50 602	50 930	43 915	47 998	193 445
1986 ---	17 182	17 771	16 884	18 155	17 370	17 830	12 823	14 379	17 051	17 793	15 943	15 630	51 837	53 355	44 253	49 366	198 811
1987 ---	16 705	20 185	19 745	18 430	18 502	17 983	11 743	14 156	17 333	19 052	17 899	14 190	56 635	54 915	43 232	51 141	205 923
1988 ---	16 338	18 824	19 412	19 154	19 990	19 665	13 008	16 492	19 317	21 490	19 912	17 974	54 574	58 809	48 817	59 376	221 576
1989 ---	20 262	21 789	20 603	21 928	21 025	19 346	11 786	19 082	20 127	20 217	20 385	16 653	62 654	62 299	50 995	57 255	233 203
1990 ---	13 065	20 275	21 776	20 260	22 523	23 033	14 133	20 110	19 682	22 197	17 212	11 784	55 116	65 816	53 925	51 193	226 050
Seasonally Adjusted—Millions of Dollars																	
1982 ---	7 763	6 511	9 064	9 844	10 043	10 409	10 702	10 127	9 691	8 958	8 325	9 151	25 338	30 296	30 520	26 434	(X)
1983 ---	10 217	11 165	10 779	11 001	11 616	12 289	12 852	12 928	13 504	13 788	14 010	15 149	32 161	34 906	39 284	42 947	(X)
1984 ---	15 376	15 240	15 190	14 641	14 230	14 809	15 543	16 026	14 244	15 355	15 915	16 069	45 806	43 680	45 813	47 339	(X)
1985 ---	16 460	15 741	15 873	15 489	16 004	15 455	15 994	16 405	17 024	16 530	16 630	15 907	48 074	46 948	49 423	49 067	(X)
1986 ---	17 641	16 214	15 311	16 826	16 000	16 623	17 031	16 469	16 776	16 577	15 514	18 271	49 166	49 449	50 276	50 362	(X)
1987 ---	17 194	18 378	17 943	17 131	17 050	16 849	15 968	16 092	16 929	17 577	17 409	16 448	53 515	51 030	48 989	51 434	(X)
1988 ---	16 911	17 152	17 694	17 828	18 362	18 443	18 075	18 641	18 744	19 634	19 390	20 732	51 757	54 633	55 460	59 756	(X)
1989 ---	21 106	19 934	18 837	20 433	19 273	18 123	16 608	21 315	19 463	18 357	19 959	19 133	59 877	57 829	57 386	57 449	(X)
1990 ---	13 630	18 649	19 925	18 918	20 647	21 687	20 079	22 280	18 994	20 111	16 889	13 515	52 204	61 252	61 353	50 515	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-11.0	9.6	6.5	8.6	2.0	3.6	2.8	-5.4	-4.3	-7.6	-7.1	9.9	-7.1	19.6	7	-13.4	(X)
1983 ---	11.6	9.3	-3.5	2.1	5.6	5.8	4.6	6	4.5	2.1	1.6	8.1	21.7	8.5	12.5	9.3	(X)
1984 ---	1.5	-9	-3	-3.6	-2.8	4.1	5.0	3.1	-11.1	7.8	3.6	1.0	6.7	-4.6	4.9	3.3	(X)
1985 ---	2.4	-4.4	8	-2.4	3.3	-3.4	3.5	2.6	3.8	-2.9	6	-4.3	1.6	-2.3	5.3	-7	(X)
1986 ---	10.9	-8.1	-5.6	9.9	-4.9	3.9	2.5	-3.3	1.9	-1.2	-6.4	17.8	2	6	1.7	2	(X)
1987 ---	-5.9	6.9	-2.4	-4.5	-5	-1.2	-5.2	8	5.2	3.8	-1.0	-5.5	6.3	-4.6	-4.0	5.0	(X)
1988 ---	2.8	1.4	3.2	8	3.0	4	-2.0	3.1	6	4.7	-1.2	6.9	6	5.6	1.5	7.7	(X)
1989 ---	1.8	-5.6	-5.5	8.5	-5.7	-6.0	-8.4	28.3	-8.7	-5.7	8.7	-4.1	2	-3.4	-8	1	(X)
1990 ---	-28.8	36.8	6.8	-5.1	9.1	5.0	-7.4	11.0	-14.7	5.9	-16.0	-20.0	-9.1	17.3	2	-17.7	(X)
AIRCRAFT, MISSILES, SPACE VEHICLES, AND PARTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	4 362	5 257	5 628	5 153	5 832	6 180	5 080	5 004	5 840	5 762	5 760	6 567	15 247	17 165	15 924	18 089	66 425
1983 ---	5 237	5 943	6 801	6 208	5 961	7 155	5 597	5 764	6 517	5 914	6 493	7 377	17 981	19 324	17 878	19 784	74 967
1984 ---	5 284	6 194	6 435	6 223	6 209	7 093	5 855	6 119	7 197	6 839	7 189	8 498	17 913	19 525	19 171	22 526	79 135
1985 ---	5 849	7 194	7 868	7 174	6 787	8 031	6 823	7 485	7 853	8 149	7 818	10 306	20 911	21 992	22 161	26 273	91 337
1986 ---	6 489	7 998	8 143	7 908	8 336	8 934	8 244	7 776	8 435	9 043	9 220	11 306	22 630	25 178	24 455	29 569	101 832
1987 ---	6 727	8 125	9 808	8 332	8 242	9 392	7 853	7 537	9 350	8 498	8 659	11 067	24 660	25 966	24 740	28 224	103 590
1988 ---	7 150	8 329	9 999	8 299	8 582	9 466	8 125	8 385	9 339	9 197	9 208	11 667	25 478	26 347	25 849	30 072	107 746
1989 ---	7 123	8 530	10 021	8 812	8 892	10 736	8 409	9 278	11 097	8 988	9 397	12 669	25 674	28 440	28 784	31 054	113 952
1990 ---	7 652	9 956	10 824	9 708	10 069	12 235	9 598	10 411	11 703	10 087	10 814	14 710	28 432	32 012	31 712	35 611	127 767
Seasonally Adjusted—Millions of Dollars																	
1982 ---	5 286	5 344	5 218	5 193	5 897	5 740	5 496	5 415	5 534	5 919	5 623	5 692	15 848	16 830	16 445	17 234	(X)
1983 ---	6 354	6 032	6 340	6 292	6 056	6 654	6 034	6 263	6 196	5 945	6 330	6 280	18 726	19 002	18 493	18 555	(X)
1984 ---	6 384	6 308	6 035	6 377	6 357	6 599	6 305	6 683	6 870	6 875	6 979	7 058	18 727	19 333	19 858	20 912	(X)
1985 ---	7 101	7 348	7 374	7 372	6 986	7 459	7 382	8 183	7 505	8 235	7 598	8 346	21 823	21 817	23 070	24 179	(X)
1986 ---	8 026	8 201	7 579	8 198	8 599	8 270	8 983	8 485	8 078	9 218	8 984	9 038	23 808	25 067	25 546	27 240	(X)
1987 ---	8 395	8 454	9 060	8 688	8 529	8 649	8 633	8 178	8 936	8 655	8 456	8 695	25 909	25 866	25 747	25 806	(X)
1988 ---	9 037	8 718	9 152	8 690	8 811	8 679	8 999	9 088	8 883	9 521	9 054	9 194	26 907	26 180	26 970	27 769	(X)
1989 ---	8 997	9 023	9 105	9 207	9 124	9 785	9 349	10 056	10 529	9 343	9 238	9 802	27 125	28 116	29 934	28 383	(X)
1990 ---	9 732	10 543	9 787	10 137	10 336	11 149	10 683	11 281	11 080	10 558	10 700	11 390	30 062	31 622	33 044	32 648	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-4.3	1.1	-2.4	-5	13.6	-2.7	-4.3	-1.5	2.2	7.0	-5.0	1.2	-2.2	6.2	-2.3	4.8	(X)
1983 ---	11.6	-5.1	5.1	-8	-3.8	9.9	-9.3	3.8	-1.1	-4.1	6.5	-8	8.7	1.5	-2.7	3	(X)
1984 ---	1.7	-1.2	-4.3	5.7	-3	3.8	-4.5	6.0	2.8	1	1.5	1.1	9	3.2	2.7	5.3	(X)
1985 ---	6	3.5	4	-	-5.2	6.8	-1.0	10.9	-8.3	9.7	-7.7	9.8	4.4	-	5.7	4.8	(X)
1986 ---	-3.8	2.2	-7.6	8.2	4.9	-3.8	8.6	-5.5	-4.8	14.1	-2.5	6	-1.5	5.3	1.9	6.6	(X)
1987 ---	-7.1	7	7.2	-4.1	-1.8	1.4	-2	-5.3	9.3	-3.1	-2.3	2.8	-4.9	-2	-5	2	(X)
1988 ---	3.9	-3.5	5.0	-5.0	1.4	-1.5	3.7	1.0	-2.3	7.2	-4.9	1.5	4.3	-2.7	3.0	3.0	(X)
1989 ---	-2.1	3	9	1.1	-9	7.2	-4.5	7.6	4.7	-11.3	-1.1	6.1	-2.3	3.7	6.5	-5.2	(X)
1990 ---	-7	8.3	-7.2	3.6	2.0	7.9	-4.2	5.6	-1.8	-4.7	1.3	6.4	5.9	5.2	4.5	-1.2	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
SHIPBUILDING AND TANKS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	773	1 048	1 174	990	1 125	1 184	1 183	1 039	1 207	1 043	1 214	1 338	2 995	3 299	3 429	3 595	13 318
1983 ---	875	1 130	1 096	1 014	1 002	1 084	1 028	949	1 155	1 065	1 043	1 477	3 101	3 100	3 132	3 585	12 918
1984 ---	897	1 039	1 092	1 085	1 046	1 118	1 032	1 059	1 045	1 136	1 056	1 375	3 028	3 249	3 136	3 567	12 980
1985 ---	901	1 125	1 093	1 026	1 096	1 060	959	1 031	964	967	1 009	1 047	3 119	3 182	3 054	3 023	12 278
1986 ---	716	989	874	857	911	915	900	915	862	910	935	1 146	2 540	2 683	2 677	2 991	10 891
1987 ---	757	982	874	908	916	1 004	859	916	951	853	843	1 204	2 572	2 828	2 726	2 900	11 026
1988 ---	851	928	840	854	922	887	803	837	970	815	873	1 359	2 619	2 663	2 610	3 047	10 939
1989 ---	769	963	959	892	937	916	878	1 052	969	814	974	1 435	2 691	2 745	2 899	3 223	11 558
1990 ---	765	881	1 087	887	945	1 017	906	978	988	1 029	934	1 168	2 733	2 849	2 872	3 131	11 585
Seasonally Adjusted—Millions of Dollars																	
1982 ---	907	1 069	1 160	1 021	1 141	1 127	1 218	1 056	1 198	1 042	1 249	1 127	3 136	3 289	3 472	3 418	(X)
1983 ---	1 027	1 135	1 080	1 052	1 007	1 045	1 064	964	1 151	1 062	1 057	1 177	3 242	3 104	3 179	3 296	(X)
1984 ---	1 050	1 024	1 076	1 128	1 050	1 083	1 075	1 071	1 049	1 138	1 065	1 087	3 150	3 261	3 195	3 290	(X)
1985 ---	1 078	1 123	1 092	1 078	1 120	1 029	1 002	1 038	970	969	1 013	879	3 283	3 227	3 010	2 861	(X)
1986 ---	907	887	875	897	913	891	943	917	871	908	932	924	2 669	2 701	2 731	2 764	(X)
1987 ---	860	971	865	949	913	978	902	916	963	848	834	1 007	2 696	2 840	2 781	2 689	(X)
1988 ---	1 027	922	834	896	934	863	847	837	978	815	862	1 095	2 783	2 693	2 662	2 772	(X)
1989 ---	926	967	954	943	944	891	928	1 051	974	814	972	1 097	2 847	2 778	2 953	2 883	(X)
1990 ---	918	896	1 086	947	973	983	961	978	986	1 030	930	918	2 900	2 903	2 925	2 878	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-8.4	17.9	8.5	-12.0	11.8	-1.2	8.1	-13.3	13.4	-13.0	19.9	-9.8	2.1	4.9	5.6	-1.6	(X)
1983 ---	-8.9	10.5	-4.8	-2.6	-4.3	3.8	1.8	-9.4	19.4	-7.7	-5	11.4	-5.1	-4.3	2.4	3.7	(X)
1984 ---	-10.8	-2.5	5.1	4.8	-6.9	3.1	-7	-4	-2.1	8.5	-6.4	2.1	-4.4	3.5	-2.0	3.0	(X)
1985 ---	-8	4.2	-3.7	-4	3.9	-8.1	-2.6	3.6	-6.6	-1	4.5	-13.2	-2	-1.7	-6.7	-5.0	(X)
1986 ---	3.2	-2.2	-1.4	2.5	1.8	-2.4	5.8	-2.8	-5.0	4.2	2.6	-9	-6.7	1.2	1.1	1.2	(X)
1987 ---	-6.9	12.9	-10.9	9.7	-3.8	7.1	-7.8	1.6	5.1	-11.9	-1.7	20.7	-2.5	5.3	-2.1	-3.3	(X)
1988 ---	2.0	-10.2	-9.5	7.4	4.2	-7.6	-1.9	-1.2	16.8	-16.7	5.8	27.0	3.5	-3.2	-1.2	4.1	(X)
1989 ---	-15.4	4.4	-1.3	-1.2	1	-5.6	4.2	13.3	-7.3	-16.4	19.4	12.9	2.7	-2.4	6.3	-2.4	(X)
1990 ---	-16.3	-2.4	21.2	-12.8	2.7	1.0	-2.2	1.8	8	4.5	-9.7	-1.3	6	1	8	-1.6	(X)
INSTRUMENTS AND RELATED PRODUCTS, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	5 316	6 026	6 580	6 116	6 286	6 815	5 729	6 179	6 886	6 300	6 233	6 452	17 922	19 217	18 794	18 985	74 918
1983 ---	5 775	6 227	6 732	6 274	6 279	7 122	6 037	6 350	7 214	6 980	7 044	7 603	18 734	19 675	19 601	21 627	79 637
1984 ---	6 271	6 882	7 810	7 258	7 481	8 044	6 839	7 353	7 965	7 585	7 606	8 304	20 963	22 783	22 157	23 495	89 398
1985 ---	6 922	7 900	8 368	7 664	7 964	8 592	7 297	7 879	8 464	8 105	8 247	8 805	23 190	24 220	23 640	25 157	96 207
1986 ---	7 267	8 117	8 692	7 975	8 064	8 996	7 656	8 205	9 072	8 721	8 654	9 379	24 076	25 035	24 933	26 754	100 798
1987 ---	7 333	8 545	9 549	8 396	8 564	9 721	8 219	8 722	9 932	9 069	9 183	10 092	25 427	26 681	26 873	28 344	107 325
1988 ---	7 770	8 669	10 061	9 171	9 113	10 493	8 929	9 236	10 649	9 490	9 529	11 218	26 700	28 777	28 814	30 237	114 528
1989 ---	8 813	9 449	10 513	9 072	9 659	10 465	8 639	9 518	10 658	9 978	10 107	11 129	28 775	29 196	28 815	31 214	118 000
1990 ---	8 876	9 650	10 605	9 407	10 120	10 740	9 137	9 703	10 620	10 246	10 305	10 810	29 131	30 267	29 460	31 361	120 219
Seasonally Adjusted—Millions of Dollars																	
1982 ---	5 876	6 083	6 131	6 211	6 333	6 317	6 347	6 359	6 497	6 203	6 244	6 235	18 090	18 861	19 203	18 682	(X)
1983 ---	6 404	6 282	6 296	6 384	6 322	6 603	6 672	6 532	6 808	6 905	7 045	7 265	18 982	19 309	20 012	21 215	(X)
1984 ---	6 978	6 960	7 325	7 430	7 548	7 448	7 541	7 570	7 495	7 533	7 603	7 823	21 263	22 426	22 606	22 959	(X)
1985 ---	7 783	7 989	7 835	7 885	8 075	7 957	8 037	8 119	7 938	8 079	8 210	8 181	23 607	23 917	24 094	24 470	(X)
1986 ---	8 232	8 247	8 124	8 266	8 215	8 320	8 421	8 463	8 472	8 693	8 583	8 614	24 603	24 801	25 356	25 890	(X)
1987 ---	8 372	8 734	8 907	8 760	8 741	8 979	9 027	8 995	9 266	9 044	9 127	9 203	26 013	26 480	27 288	27 374	(X)
1988 ---	8 864	9 111	9 359	9 607	9 292	9 688	9 776	9 528	9 932	9 457	9 452	10 191	27 334	28 587	29 236	29 100	(X)
1989 ---	10 073	9 763	9 782	9 544	9 831	9 656	9 442	9 836	9 952	9 940	10 013	10 074	29 618	29 031	29 230	30 027	(X)
1990 ---	10 137	9 998	9 875	9 907	10 290	9 920	9 986	10 038	9 920	10 206	10 217	9 803	30 010	30 117	29 944	30 226	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.2	3.5	8	13	20	-3	5	2	2.2	-4.5	7	-1	6.4	4.3	1.8	-2.7	(X)
1983 ---	2.7	-1.9	2	14	-1.0	4.4	10	-2.1	4.2	1.4	2.0	3.1	1.6	1.7	3.6	6.0	(X)
1984 ---	-4.0	-3	5.2	14	1.6	-1.3	1.2	4	-1.0	5	9	2.9	2	5.5	8	1.6	(X)
1985 ---	-5	2.6	-1.9	6	2.4	-1.5	10	1.0	-2.2	1.8	1.6	-4	2.8	1.3	7	1.6	(X)
1986 ---	6	2	-1.5	1.7	-6	1.3	1.2	5	1	2.6	-1.3	4	5	8	2.2	2.1	(X)
1987 ---	-2.8	4.3	20	-1.7	-2	2.7	5	-4	3.0	-2.4	9	8	5	1.8	3.1	3	(X)
1988 ---	-3.7	2.8	2.7	2.6	-3.3	4.3	9	-2.5	4.2	-4.8	-1	7.8	-1	4.6	2.3	-5	(X)
1989 ---	-1.2	-3.1	2	-2.4	3.0	-1.8	-2.2	4.2	1.2	-1	7	6	1.8	-2.0	7	2.7	(X)
1990 ---	6	-1.4	-1.2	3	3.9	-3.6	7	5	-1.2	2.9	1	-4.1	-1	4	-6	9	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
SEARCH AND NAVIGATION EQUIPMENT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 386	1 598	1 737	1 710	1 668	1 797	1 575	1 607	1 748	1 756	1 667	1 827	4 721	5 175	4 930	5 250	20 076
1983 ---	1 578	1 772	1 968	1 845	1 824	2 106	1 630	1 652	1 955	1 888	2 013	2 241	5 318	5 775	5 237	6 142	22 472
1984 ---	1 647	1 921	2 226	1 994	2 070	2 241	1 816	2 041	2 142	2 148	2 242	2 641	5 794	6 305	5 999	7 031	25 129
1985 ---	2 010	2 388	2 588	2 338	2 412	2 654	2 194	2 445	2 766	2 629	2 771	3 106	6 986	7 404	7 405	8 506	30 301
1986 ---	2 200	2 714	2 947	2 670	2 609	3 014	2 435	2 758	3 152	2 841	3 062	3 480	7 861	8 293	8 345	9 383	33 882
1987 ---	2 345	2 808	3 334	2 786	2 805	3 283	2 664	2 941	3 406	2 914	3 162	3 819	8 487	8 874	9 011	9 895	36 267
1988 ---	2 308	2 707	3 303	2 800	2 783	3 393	2 645	2 829	3 603	2 849	3 185	4 191	8 318	8 976	9 077	10 225	36 596
1989 ---	2 613	2 903	3 531	2 847	2 974	3 246	2 552	3 025	3 386	3 160	3 387	4 191	9 047	9 067	8 963	10 738	37 815
1990 ---	2 523	2 926	3 258	2 801	3 094	3 189	2 750	2 937	3 319	2 987	3 238	3 874	8 707	9 084	9 006	10 099	36 896
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 555	1 587	1 589	1 676	1 668	1 666	1 766	1 704	1 697	1 762	1 677	1 691	4 731	5 010	5 167	5 130	(X)
1983 ---	1 794	1 764	1 803	1 826	1 833	1 960	1 839	1 752	1 885	1 900	1 999	2 024	5 361	5 619	5 476	5 923	(X)
1984 ---	1 903	1 923	2 038	2 004	2 101	2 086	2 070	2 154	2 039	2 170	2 191	2 318	5 864	6 191	6 263	6 679	(X)
1985 ---	2 377	2 409	2 365	2 391	2 481	2 468	2 523	2 566	2 594	2 662	2 678	2 651	7 151	7 340	7 683	7 991	(X)
1986 ---	2 650	2 773	2 688	2 784	2 716	2 802	2 809	2 883	2 920	2 880	2 934	2 896	8 111	8 302	8 612	8 710	(X)
1987 ---	2 874	2 911	3 039	2 946	2 943	3 049	3 074	3 063	3 132	2 956	3 023	3 115	8 824	8 938	9 269	9 094	(X)
1988 ---	2 865	2 849	2 994	2 995	2 927	3 158	3 048	2 947	3 305	2 893	3 021	3 373	8 708	9 080	9 300	9 287	(X)
1989 ---	3 264	3 093	3 206	3 066	3 122	3 032	2 936	3 147	3 107	3 208	3 212	3 340	9 563	9 220	9 190	9 760	(X)
1990 ---	3 176	3 136	2 957	3 029	3 242	2 982	3 161	3 062	3 041	3 031	3 072	3 068	9 269	9 253	9 264	9 171	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	11.6	2.1	.1	5.5	-.5	-.1	6.0	-3.5	-.4	3.8	-4.8	.8	12.3	5.9	3.1	-.7	(X)
1983 ---	6.1	-1.7	2.2	1.3	.4	6.9	-6.2	-4.7	7.6	.8	5.2	1.3	4.5	4.8	-2.5	8.2	(X)
1984 ---	-6.0	1.1	6.0	-1.7	4.8	-.7	-.8	4.1	-5.3	6.4	1.0	5.8	-1.0	5.6	1.2	6.6	(X)
1985 ---	2.5	1.3	-1.8	1.1	3.8	-.5	2.2	1.7	1.1	2.6	6	-1.0	7.1	2.6	4.7	4.0	(X)
1986 ---	-.4	4.6	-3.1	3.6	-2.4	3.2	2	2.6	1.3	-1.4	1.9	-1.3	1.5	2.4	3.7	1.1	(X)
1987 ---	-.8	1.3	4.4	-3.1	-.1	3.6	.8	-.4	2.3	-5.6	2.3	3.0	1.3	1.3	3.7	-1.9	(X)
1988 ---	-8.0	-.6	5.1	-.1	-2.3	7.9	-3.5	-3.3	12.1	-12.5	4.4	11.7	-4.2	4.3	2.4	-.1	(X)
1989 ---	-3.2	-5.2	3.7	-4.4	1.8	-2.9	-3.2	7.2	-1.3	3.3	1	4.0	3.0	-3.6	-.3	6.2	(X)
1990 ---	-4.9	-1.3	-5.7	2.4	7.0	-8.0	6.0	-3.1	-.7	-.3	1.4	-.1	-5.0	-.2	1	-1.0	(X)
MEASURING AND CONTROLLING DEVICES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 493	1 677	1 849	1 647	1 699	1 836	1 508	1 671	1 908	1 580	1 595	1 747	5 019	5 182	5 087	4 922	20 210
1983 ---	1 584	1 686	1 772	1 647	1 647	1 837	1 637	1 744	1 964	1 875	1 822	1 991	5 042	5 131	5 345	5 688	21 206
1984 ---	1 839	1 878	2 129	1 976	2 039	2 175	1 946	2 065	2 282	2 066	2 089	2 258	5 846	6 190	6 293	6 413	24 742
1985 ---	1 932	2 221	2 331	2 094	2 183	2 344	1 944	2 143	2 208	2 123	2 101	2 263	6 484	6 621	6 295	6 487	25 887
1986 ---	2 044	2 133	2 252	2 102	2 132	2 324	1 960	2 125	2 208	2 132	2 007	2 223	6 429	6 558	6 293	6 362	25 642
1987 ---	1 902	2 152	2 341	2 072	2 095	2 333	2 018	2 131	2 373	2 206	2 120	2 299	6 395	6 500	6 522	6 625	26 042
1988 ---	2 071	2 286	2 506	2 368	2 331	2 577	2 322	2 434	2 611	2 422	2 275	2 612	6 863	7 276	7 367	7 309	28 815
1989 ---	2 286	2 264	2 512	2 147	2 406	2 479	2 165	2 448	2 750	2 427	2 411	2 423	7 062	7 032	7 363	7 261	28 718
1990 ---	2 365	2 383	2 662	2 337	2 488	2 579	2 200	2 344	2 453	2 377	2 261	2 336	7 410	7 404	6 997	6 974	28 785
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 580	1 668	1 706	1 691	1 723	1 713	1 688	1 710	1 789	1 581	1 650	1 687	4 954	5 127	5 187	4 918	(X)
1983 ---	1 678	1 677	1 647	1 692	1 668	1 715	1 820	1 776	1 844	1 883	1 890	1 915	5 002	5 075	5 440	5 688	(X)
1984 ---	1 952	1 869	1 990	2 033	2 062	2 029	2 147	2 098	2 144	2 078	2 171	2 169	5 811	6 124	6 389	6 418	(X)
1985 ---	2 055	2 213	2 185	2 155	2 210	2 187	2 126	2 172	2 076	2 136	2 188	2 174	6 453	6 552	6 374	6 498	(X)
1986 ---	2 177	2 134	2 110	2 167	2 159	2 169	2 133	2 146	2 074	2 143	2 091	2 141	6 421	6 495	6 353	6 375	(X)
1987 ---	2 025	2 169	2 190	2 140	2 118	2 180	2 188	2 143	2 230	2 210	2 209	2 222	6 384	6 438	6 561	6 641	(X)
1988 ---	2 201	2 322	2 338	2 454	2 351	2 412	2 514	2 441	2 450	2 418	2 366	2 536	6 861	7 217	7 405	7 320	(X)
1989 ---	2 426	2 314	2 340	2 229	2 420	2 327	2 340	2 453	2 580	2 417	2 502	2 361	7 080	6 976	7 373	7 280	(X)
1990 ---	2 505	2 442	2 478	2 430	2 500	2 427	2 377	2 346	2 299	2 368	2 342	2 279	7 425	7 357	7 022	6 989	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.5	5.6	2.3	-.9	1.9	-.6	-1.5	1.3	4.6	-11.6	4.4	2.2	3.8	3.5	1.2	-5.2	(X)
1983 ---	-.5	-.1	-1.8	2.7	-1.4	2.8	6.1	-2.4	3.8	2.1	.4	1.3	1.7	1.5	7.2	4.6	(X)
1984 ---	1.9	-4.3	6.5	2.2	1.4	-1.6	5.8	-2.3	2.2	-3.1	4.5	-.1	2.2	5.4	4.3	5	(X)
1985 ---	-5.3	7.7	-1.3	-1.4	2.6	-1.0	-2.8	2.2	-4.4	2.9	2.4	-.6	.5	1.5	-2.7	1.9	(X)
1986 ---	1	-2.0	-1.1	2.7	-.4	.5	-1.7	6	-3.4	3.3	-2.4	2.4	-1.2	1.2	-2.2	3	(X)
1987 ---	-5.4	7.1	1.0	-2.3	-1.0	2.9	4	-2.1	4.1	-.9	-.6	-.1	6	1.9	1.2	1.2	(X)
1988 ---	-.9	5.5	.7	5.0	-4.2	2.6	4.2	-2.9	4	-1.3	-2.2	7.2	3.3	5.2	2.6	-1.1	(X)
1989 ---	-4.3	-4.6	1.1	-4.7	8.6	-3.8	6	4.8	5.2	-6.3	3.5	-5.6	-3.3	-1.5	5.7	-1.3	(X)
1990 ---	6.1	-2.5	1.5	-1.9	2.9	-2.9	-2.1	-1.3	-2.0	3.0	-1.1	-2.7	2.0	-.9	-4.6	-.5	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MEDICAL INSTRUMENTS AND SUPPLIES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 054	1 201	1 344	1 210	1 269	1 382	1 146	1 269	1 466	1 216	1 227	1 349	3 599	3 861	3 881	3 792	15 133
1983 ---	1 220	1 294	1 356	1 262	1 248	1 401	1 238	1 320	1 474	1 409	1 362	1 486	3 870	3 911	4 032	4 257	16 070
1984 ---	1 353	1 392	1 566	1 447	1 491	1 593	1 414	1 510	1 668	1 515	1 526	1 660	4 311	4 531	4 592	4 701	18 135
1985 ---	1 424	1 641	1 723	1 550	1 624	1 739	1 450	1 597	1 640	1 578	1 566	1 672	4 788	4 913	4 687	4 816	19 204
1986 ---	1 519	1 582	1 675	1 568	1 598	1 743	1 493	1 632	1 711	1 684	1 608	1 809	4 776	4 909	4 836	5 101	19 622
1987 ---	1 582	1 813	1 987	1 802	1 835	2 053	1 802	1 911	2 133	1 984	1 903	2 060	5 382	5 690	5 846	5 947	22 865
1988 ---	1 847	2 035	2 220	2 095	2 040	2 272	2 033	2 134	2 274	2 117	1 985	2 278	6 102	6 407	6 441	6 380	25 330
1989 ---	2 053	2 258	2 238	2 021	2 061	2 242	1 957	2 106	2 234	2 103	2 055	2 209	6 549	6 344	6 297	6 367	25 557
1990 ---	2 105	2 259	2 404	2 209	2 343	2 477	2 232	2 348	2 476	2 365	2 380	2 366	6 768	7 029	7 056	7 111	27 964
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 121	1 191	1 243	1 242	1 288	1 290	1 279	1 299	1 378	1 213	1 270	1 300	3 555	3 820	3 956	3 783	(X)
1983 ---	1 300	1 284	1 262	1 297	1 264	1 308	1 371	1 344	1 388	1 412	1 413	1 427	3 846	3 869	4 103	4 252	(X)
1984 ---	1 442	1 383	1 465	1 488	1 508	1 487	1 554	1 534	1 573	1 522	1 586	1 593	4 290	4 483	4 661	4 701	(X)
1985 ---	1 517	1 632	1 615	1 596	1 643	1 624	1 580	1 619	1 550	1 590	1 629	1 604	4 764	4 863	4 749	4 823	(X)
1986 ---	1 618	1 574	1 571	1 618	1 620	1 626	1 616	1 651	1 619	1 699	1 674	1 739	4 763	4 864	4 886	5 112	(X)
1987 ---	1 685	1 806	1 863	1 863	1 859	1 915	1 938	1 929	2 024	2 004	1 984	1 986	5 354	5 637	5 891	5 974	(X)
1988 ---	1 962	2 025	2 081	2 170	2 068	2 121	2 175	2 152	2 159	2 140	2 070	2 205	6 068	6 359	6 486	6 415	(X)
1989 ---	2 175	2 246	2 099	2 096	2 108	2 098	2 082	2 124	2 122	2 131	2 141	2 144	6 520	6 302	6 328	6 416	(X)
1990 ---	2 224	2 245	2 254	2 295	2 374	2 321	2 369	2 367	2 351	2 402	2 476	2 298	6 723	6 990	7 087	7 176	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.6	6.2	4.4	-1	3.7	2	-9	1.6	6.1	-12.0	4.7	2.4	9.6	7.5	3.6	-4.4	(X)
1983 ---	-	-1.2	-1.7	2.8	-2.5	3.5	4.8	-2.0	3.3	1.7	1	1.0	1.7	6	6.0	3.6	(X)
1984 ---	1.1	-4.1	5.9	1.6	1.3	-1.4	4.5	-1.3	2.5	-3.2	4.2	4	9	4.5	4.0	.9	(X)
1985 ---	-4.8	7.6	-1.0	-1.2	2.9	-1.2	-2.7	2.5	-4.3	2.6	2.5	-1.5	1.3	2.1	-2.3	1.6	(X)
1986 ---	.9	-2.7	-2	3.0	1	4	-6	2.2	-1.9	4.9	-1.5	3.9	-1.2	2.1	.5	4.6	(X)
1987 ---	-3.1	7.2	3.2	-	-2	3.0	1.2	-5	4.9	-1.0	-1.0	1	4.7	5.3	4.5	1.4	(X)
1988 ---	-1.2	3.2	2.8	4.3	-4.7	2.6	2.5	-1.1	3	-9	-3.3	6.5	1.6	4.8	2.0	-1.1	(X)
1989 ---	-1.4	3.3	-6.5	-1	6	-5	-8	2.0	-1	4	5	1	1.6	-3.3	4	1.4	(X)
1990 ---	3.7	.9	4	1.8	3.4	-2.2	2.1	-1	-7	2.2	3.1	-7.2	4.8	4.0	1.4	1.3	(X)
PHOTOGRAPHIC GOODS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 218	1 344	1 415	1 347	1 433	1 575	1 317	1 441	1 532	1 515	1 539	1 362	3 977	4 355	4 290	4 416	17 038
1983 ---	1 217	1 264	1 413	1 305	1 356	1 565	1 327	1 420	1 603	1 597	1 661	1 710	3 894	4 226	4 350	4 968	17 438
1984 ---	1 279	1 492	1 654	1 606	1 648	1 800	1 443	1 526	1 645	1 627	1 542	1 586	4 425	5 054	4 614	4 755	18 848
1985 ---	1 404	1 450	1 502	1 471	1 515	1 628	1 512	1 481	1 634	1 556	1 598	1 587	4 356	4 614	4 627	4 741	18 338
1986 ---	1 307	1 461	1 588	1 401	1 496	1 685	1 521	1 467	1 762	1 797	1 730	1 671	4 356	4 582	4 750	5 198	18 886
1987 ---	1 328	1 558	1 639	1 504	1 587	1 807	1 511	1 498	1 750	1 672	1 726	1 661	4 525	4 898	4 759	5 059	19 241
1988 ---	1 302	1 565	1 724	1 593	1 699	1 969	1 672	1 590	1 881	1 813	1 834	1 904	4 591	5 261	5 143	5 551	20 546
1989 ---	1 609	1 749	1 934	1 781	1 937	2 238	1 737	1 706	2 045	2 021	2 003	2 079	5 292	5 956	5 488	6 103	22 839
1990 ---	1 655	1 818	2 005	1 782	1 911	2 207	1 718	1 788	2 093	2 252	2 165	1 979	5 478	5 900	5 599	6 396	23 373
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 419	1 431	1 379	1 404	1 443	1 437	1 419	1 461	1 424	1 433	1 438	1 351	4 229	4 284	4 304	4 222	(X)
1983 ---	1 413	1 345	1 382	1 361	1 362	1 421	1 427	1 451	1 491	1 516	1 554	1 682	4 140	4 144	4 369	4 752	(X)
1984 ---	1 488	1 585	1 619	1 680	1 656	1 627	1 541	1 576	1 527	1 552	1 445	1 549	4 692	4 963	4 644	4 546	(X)
1985 ---	1 642	1 534	1 467	1 544	1 524	1 465	1 603	1 548	1 514	1 490	1 501	1 540	4 643	4 533	4 665	4 531	(X)
1986 ---	1 541	1 538	1 547	1 477	1 504	1 505	1 604	1 555	1 630	1 726	1 634	1 609	4 626	4 486	4 789	4 969	(X)
1987 ---	1 573	1 635	1 591	1 594	1 592	1 601	1 589	1 610	1 619	1 606	1 635	1 591	4 799	4 787	4 818	4 832	(X)
1988 ---	1 547	1 641	1 668	1 694	1 699	1 727	1 762	1 728	1 745	1 741	1 740	1 816	4 856	5 120	5 235	5 297	(X)
1989 ---	1 912	1 838	1 867	1 896	1 932	1 949	1 836	1 867	1 905	1 939	1 902	1 977	5 617	5 777	5 608	5 818	(X)
1990 ---	1 967	1 914	1 936	1 895	1 903	1 914	1 820	1 962	1 955	2 161	2 060	1 876	5 817	5 712	5 737	6 097	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.5	.8	-3.6	1.8	2.8	-4	-1.3	3.0	-2.5	6	3	-6.1	2.1	1.3	.5	-1.9	(X)
1983 ---	4.6	-4.8	2.8	-1.5	.1	4.3	4	1.7	2.8	1.7	2.5	8.2	-1.9	.1	5.4	6.8	(X)
1984 ---	-11.5	6.5	2.1	3.8	-1.4	-1.8	-5.3	2.3	-3.1	1.6	-6.9	7.2	-1.3	5.8	-6.4	-2.1	(X)
1985 ---	6.0	-6.6	-4.4	5.2	-1.3	-3.9	9.4	-3.4	-2.2	-1.6	7	2.6	2.1	-2.4	2.9	-2.9	(X)
1986 ---	.1	-2	6	-4.5	1.8	1	6.6	-3.1	4.8	5.9	-5.3	-1.5	2.1	-3.0	6.8	3.8	(X)
1987 ---	-2.2	3.9	-2.7	2	-1	6	-7	1.3	6	-8	1.8	-2.7	-3.4	-3	6	3	(X)
1988 ---	-2.8	6.1	1.6	1.6	3	1.6	2.0	-1.9	1.0	-2	-1	4.4	5	5.4	2.2	1.2	(X)
1989 ---	5.3	-3.9	1.6	1.6	1.9	9	-5.8	1.7	2.0	1.8	-1.9	3.9	6.0	2.8	-2.9	3.7	(X)
1990 ---	-5	-2.7	1.1	-2.1	.4	6	-4.9	7.8	-4	10.5	-4.7	-8.9	-	-1.8	4	6.3	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb	March	April	May	June	July	Aug	Sept.	Oct	Nov	Dec.	1st	2nd	3rd	4th	
ALL OTHER DURABLE GOODS INDUSTRIES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	6 638	7 806	8 236	8 024	7 947	8 276	7 399	8 127	8 395	8 538	7 865	6 899	22 680	24 247	23 921	23 302	94 150
1983 ---	7 055	8 017	8 506	8 620	8 902	9 514	8 315	9 438	9 869	9 824	9 297	8 780	23 578	27 036	27 622	27 901	106 137
1984 ---	7 990	9 615	9 940	9 801	9 741	10 380	8 948	10 218	10 374	10 799	9 588	8 931	27 545	29 922	29 540	29 318	116 327
1985 ---	8 332	9 441	10 216	10 068	10 247	10 894	9 144	10 354	10 658	10 638	9 461	8 599	27 989	31 209	30 156	28 698	118 052
1986 ---	9 009	10 043	10 834	11 183	10 580	11 450	9 878	10 949	11 461	11 648	10 287	9 484	29 866	33 213	32 288	31 419	126 806
1987 ---	9 532	10 931	11 594	11 548	11 328	12 253	11 036	12 313	12 809	13 188	11 647	11 042	32 057	35 129	36 158	35 877	139 221
1988 ---	10 313	11 654	12 394	12 753	12 115	13 001	11 413	12 240	13 137	13 310	12 123	11 705	34 361	37 869	36 790	37 138	146 158
1989 ---	11 176	12 290	12 804	12 818	12 850	13 450	11 498	13 262	13 322	13 686	12 220	11 183	36 270	39 118	38 082	37 089	150 559
1990 ---	11 147	12 418	12 786	12 595	12 765	13 411	11 527	13 028	13 018	13 043	11 614	10 560	36 351	38 771	37 573	35 217	147 912
Seasonally Adjusted—Millions of Dollars																	
1982 ---	7 716	7 936	7 978	7 924	7 831	7 754	7 991	7 791	7 753	7 851	8 018	7 629	23 630	23 509	23 535	23 498	(X)
1983 ---	8 215	8 162	8 237	8 447	8 726	8 863	8 902	9 044	9 190	9 090	9 537	9 702	24 614	26 036	27 136	28 329	(X)
1984 ---	9 279	9 812	9 620	9 579	9 567	9 650	9 614	9 786	9 687	10 000	9 897	9 829	28 711	28 796	29 087	29 726	(X)
1985 ---	9 646	9 638	9 867	9 813	10 097	10 141	9 786	9 940	9 962	9 836	9 752	9 418	29 151	30 051	29 688	29 006	(X)
1986 ---	10 331	10 304	10 479	10 846	10 440	10 676	10 558	10 543	10 697	10 754	10 630	10 427	31 114	31 962	31 798	31 811	(X)
1987 ---	10 871	11 217	11 208	11 211	11 206	11 443	11 789	11 885	12 001	12 154	12 058	12 166	33 296	33 860	35 675	36 378	(X)
1988 ---	11 688	11 932	12 042	12 398	11 982	12 147	12 206	11 834	12 313	12 254	12 452	12 984	35 662	36 527	36 353	37 690	(X)
1989 ---	12 598	12 574	12 460	12 487	12 715	12 585	12 289	12 794	12 509	12 617	12 561	12 378	37 632	37 787	37 592	37 556	(X)
1990 ---	12 523	12 722	12 451	12 253	12 625	12 543	12 361	12 584	12 211	12 025	11 887	11 675	37 696	37 421	37 156	35 587	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4	29	5	-7	-12	-10	31	-25	-5	13	21	-49	19	-5	1	-2	(X)
1983 ---	7.7	-6	9	2.5	3.3	1.6	4	1.6	1.6	-1.1	4.9	1.7	4.7	5.8	4.2	4.4	(X)
1984 ---	-4.4	5.7	-2.0	-4	-1	9	-4	1.8	-1.0	3.2	-10	-7	1.3	3	1.0	2.2	(X)
1985 ---	-1.9	-1	2.4	-5	2.9	4	-3.5	1.6	2	-1.3	-9	-3.4	-1.9	3.1	-1.2	-2.3	(X)
1986 ---	9.7	-3	1.7	3.5	-3.7	2.3	-1.1	1.5	5	-1.2	-1.9	7.3	2.7	-5	-	-	(X)
1987 ---	4.3	3.2	-1	-	-	2.1	3.0	8	10	1.3	-8	9	4.7	1.7	5.4	2.0	(X)
1988 ---	-3.9	2.1	9	30	-3.4	1.4	5	-30	4.0	-5	1.6	4.3	-20	2.4	-5	3.7	(X)
1989 ---	-3.0	-2	-9	2	1.8	-10	-2.4	4.1	-2.2	9	-4	-1.5	-2	4	-5	-1	(X)
1990 ---	1.2	1.6	-2.1	-1.6	3.0	-6	-1.5	1.8	-3.0	-1.5	-1.1	-1.8	4	-7	-7	-4.2	(X)
NONDURABLE GOODS INDUSTRIES, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	79 268	85 288	86 060	82 747	84 542	88 642	80 294	85 078	89 395	85 300	82 725	80 334	250 616	255 931	254 767	248 359	1 009 673
1983 ---	77 718	82 578	85 996	83 277	85 799	91 286	83 157	90 059	94 546	91 616	90 008	88 754	246 292	260 362	267 762	270 378	1 044 794
1984 ---	85 236	91 139	95 860	92 470	92 959	97 036	88 976	94 051	97 783	94 547	91 994	91 157	271 935	282 465	280 810	277 698	1 112 908
1985 ---	86 151	92 895	96 807	92 380	94 028	96 849	88 274	93 865	97 410	94 729	94 084	91 632	275 853	283 257	279 549	280 445	1 119 104
1986 ---	88 401	91 986	92 126	89 778	90 161	94 665	84 778	92 067	97 491	93 519	91 567	90 483	272 513	274 604	274 336	275 569	1 097 022
1987 ---	87 033	95 397	98 291	95 399	96 934	102 577	94 805	99 924	106 221	103 102	100 691	98 000	280 721	294 910	300 950	301 793	1 178 374
1988 ---	95 132	101 055	105 630	103 280	103 947	110 517	101 493	108 197	112 966	110 026	107 605	106 734	301 617	317 744	322 656	324 365	1 266 582
1989 ---	103 968	110 436	113 370	112 819	112 639	117 689	106 490	113 583	118 176	115 755	112 079	108 672	327 774	343 147	338 249	336 706	1 345 876
1990 ---	106 084	112 830	118 004	114 135	115 053	120 257	110 286	122 418	128 635	127 553	122 973	114 587	336 918	349 445	361 339	365 113	1 412 815
Seasonally Adjusted—Millions of Dollars																	
1982 ---	84 693	85 600	83 813	84 040	84 622	84 853	84 334	83 889	84 665	83 332	83 128	82 404	254 106	253 515	252 888	248 864	(X)
1983 ---	83 260	82 818	83 765	84 564	85 883	87 406	87 342	88 807	89 453	89 725	90 620	91 244	249 843	257 853	265 602	271 589	(X)
1984 ---	91 426	91 403	93 025	93 659	92 982	93 035	93 560	93 014	92 433	92 599	92 584	93 644	275 854	279 676	279 027	278 827	(X)
1985 ---	92 299	93 117	94 230	93 226	94 169	92 907	92 691	92 701	91 968	92 528	94 498	93 989	279 646	280 302	277 360	281 015	(X)
1986 ---	94 647	92 239	89 724	90 600	90 546	90 666	89 302	91 038	91 897	91 143	91 961	93 082	276 610	271 812	272 237	276 186	(X)
1987 ---	93 186	95 762	95 811	96 158	97 307	98 247	99 829	98 791	100 386	100 511	101 192	100 916	284 759	291 712	299 006	302 619	(X)
1988 ---	101 666	101 456	102 937	103 812	104 197	105 880	106 988	106 971	107 047	107 217	108 095	110 217	306 059	313 889	321 006	325 529	(X)
1989 ---	111 212	111 025	110 586	113 400	112 837	112 817	112 215	112 258	111 941	112 700	112 363	112 159	332 823	339 054	336 414	337 222	(X)
1990 ---	113 481	113 720	115 206	114 778	115 323	115 435	116 223	121 061	122 133	124 261	123 134	117 997	342 407	345 536	359 417	365 392	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.6	1.1	-2.1	3	7	3	-6	-5	9	-1.6	-2	-9	1.7	-2	-2	-1.6	(X)
1983 ---	10	-5	1.1	10	1.6	1.8	-1	1.7	.7	.3	1.0	.7	4	3.2	3.0	2.3	(X)
1984 ---	2	-	1.8	7	-7	1	6	-6	-6	2	-	1.1	1.6	1.4	-2	-1	(X)
1985 ---	-1.4	9	1.2	-1.1	10	-1.3	-2	-	-8	6	2.1	-5	3	2	-10	1.3	(X)
1986 ---	7	-2.5	-2.7	10	-1	1	-1.5	1.9	.9	-8	9	1.2	-1.6	-1.7	2	1.5	(X)
1987 ---	1	2.8	1	4	1.2	10	1.6	-10	1.6	1	7	-3	3.1	2.4	2.5	1.2	(X)
1988 ---	7	-2	1.5	9	4	1.6	10	-	1	2	8	20	1.1	2.6	2.3	1.4	(X)
1989 ---	9	-2	-4	2.5	-5	-	-5	-	-3	7	-3	-2	2.2	1.9	-8	2	(X)
1990 ---	1.2	2	1.3	-4	5	1	7	4.2	.9	1.7	-9	-4.2	1.5	9	40	1.7	(X)

See footnotes at end of table



## 18 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
NONDURABLE GOODS WITH UNFILLED ORDERS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	16 495	17 967	18 345	17 396	17 551	17 732	16 312	17 929	18 489	18 363	17 870	17 222	52 807	52 679	52 730	53 455	211 671
1983 ---	17 225	18 173	18 862	18 594	18 738	19 545	17 949	19 839	20 375	20 959	20 399	19 977	54 280	56 877	58 163	61 335	230 655
1984 ---	19 433	20 873	21 563	21 022	21 171	22 058	20 026	21 880	22 702	22 372	21 506	21 110	61 869	64 251	64 606	64 988	255 716
1985 ---	20 279	21 669	22 650	21 264	21 774	22 478	20 182	22 173	23 317	22 703	22 509	21 852	64 598	65 516	65 672	67 064	262 650
1986 ---	21 244	22 511	23 156	22 275	22 143	24 027	21 167	23 927	25 065	24 933	24 086	23 758	66 911	68 445	70 159	72 777	278 292
1987 ---	22 573	24 570	25 152	24 275	24 449	26 013	24 009	25 953	26 986	27 356	26 462	25 726	72 295	74 737	76 948	79 544	303 524
1988 ---	25 063	26 344	27 158	26 922	26 544	27 829	25 514	28 022	29 151	28 843	28 233	28 046	78 565	81 295	82 667	85 122	327 669
1989 ---	26 753	28 647	28 581	28 601	28 057	29 327	26 586	29 114	30 209	30 084	29 374	27 263	83 981	85 985	85 909	86 721	342 596
1990 ---	27 006	28 907	30 062	29 474	28 924	30 076	27 425	30 207	31 098	30 606	29 929	28 059	85 975	88 474	88 730	88 594	351 773
Seasonally Adjusted—Millions of Dollars																	
1982 ---	17 417	17 784	17 771	17 507	17 631	17 428	17 545	17 655	17 613	17 615	17 809	17 782	52 972	52 566	52 813	53 206	(X)
1983 ---	18 216	18 017	18 310	18 753	18 867	19 149	19 350	19 520	19 358	20 127	20 344	20 524	54 543	56 769	58 228	60 995	(X)
1984 ---	20 611	20 739	20 923	21 246	21 378	21 544	21 539	21 531	21 556	21 451	21 398	21 554	62 273	64 168	64 626	64 403	(X)
1985 ---	21 487	21 610	22 112	21 512	22 085	21 936	21 685	21 814	22 090	21 720	22 362	22 223	65 209	65 533	65 589	66 305	(X)
1986 ---	22 550	22 512	22 675	22 535	22 532	23 419	22 765	23 567	23 756	23 843	23 860	24 139	67 737	68 486	70 088	71 842	(X)
1987 ---	23 979	24 627	24 638	24 508	24 924	25 360	25 828	25 505	25 566	26 150	26 197	26 180	73 244	74 792	76 899	78 527	(X)
1988 ---	26 618	26 399	26 616	27 113	27 062	27 119	27 406	27 531	27 669	27 591	27 891	28 651	79 633	81 294	82 606	84 133	(X)
1989 ---	28 434	28 762	27 996	28 729	28 562	28 600	28 572	28 590	28 681	28 784	28 946	27 826	85 192	85 891	85 843	85 556	(X)
1990 ---	28 766	29 066	29 480	29 589	29 451	29 385	29 413	29 665	29 546	29 286	29 426	28 631	87 312	88 425	88 624	87 343	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.8	2.1	-.1	-1.5	.7	-1.2	.7	.6	-.2	-.1	1.1	-.2	1.6	-.8	.5	.7	(X)
1983 ---	2.4	-1.1	1.6	2.4	.6	1.5	1.0	.9	-.8	4.0	1.1	.9	2.5	4.1	2.6	4.8	(X)
1984 ---	.4	.6	.9	1.5	.6	.8	-.1	-.1	-.5	-.2	.7	2.1	3.0	.7	-.3	-.3	(X)
1985 ---	-.3	.6	2.3	-2.7	2.7	-.7	-1.1	.6	1.3	-1.7	3.0	-.6	1.3	.5	.1	1.1	(X)
1986 ---	1.5	-.2	.7	-.6	-.1	3.9	-2.8	3.5	.8	.4	.1	1.2	2.2	1.1	2.3	2.5	(X)
1987 ---	-.7	2.7	-.1	-.5	1.7	1.7	1.8	-1.3	2	2.3	2	-.1	2.0	2.1	2.8	2.1	(X)
1988 ---	1.7	-.8	.8	1.9	-.2	2	1.1	5	.5	-.3	1.1	2.7	1.4	2.1	1.6	1.8	(X)
1989 ---	-.8	1.2	-2.7	2.6	-.6	1	-.1	1	-.3	.4	.6	-3.9	1.3	.8	-.1	-.3	(X)
1990 ---	3.4	1.0	1.4	.4	-.5	-.2	1	9	-.4	-.9	5	-2.7	2.1	1.3	2	-1.4	(X)
FOOD AND KINDRED PRODUCTS, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	21 236	23 652	24 073	22 521	23 413	24 678	22 295	23 048	25 096	23 866	23 590	23 061	68 961	70 612	70 439	70 517	280 529
1983 ---	21 534	23 745	24 638	22 942	24 012	25 051	22 568	24 446	26 170	24 968	24 482	24 758	69 917	72 005	73 184	74 208	289 314
1984 ---	23 129	24 528	26 092	24 964	25 300	26 318	24 548	25 279	26 797	26 309	25 439	25 951	73 749	76 512	76 624	77 699	304 584
1985 ---	23 940	25 983	27 034	25 031	26 086	26 260	24 616	25 238	26 975	25 764	26 062	25 617	76 957	77 377	76 829	77 443	308 606
1986 ---	24 478	25 762	26 290	25 316	26 257	27 221	25 670	26 708	28 884	27 719	26 964	26 934	76 530	78 794	81 262	81 617	318 203
1987 ---	24 940	27 047	27 772	26 894	27 242	28 413	26 925	27 205	29 565	28 431	27 726	27 565	79 759	82 549	83 695	83 722	329 725
1988 ---	26 428	27 757	28 932	28 111	28 822	30 600	29 025	29 508	31 730	30 645	29 970	29 985	83 117	87 533	90 263	90 600	351 513
1989 ---	29 045	30 840	32 171	30 928	31 873	32 603	30 093	32 028	33 486	33 008	31 904	31 564	92 056	95 404	95 607	96 476	379 543
1990 ---	29 793	32 193	33 639	31 915	33 350	34 493	31 872	33 411	35 229	34 679	33 511	33 005	95 625	99 758	100 512	101 195	397 090
Seasonally Adjusted—Millions of Dollars																	
1982 ---	22 912	23 613	23 380	23 294	23 552	23 776	23 419	22 977	23 642	23 230	23 648	23 129	69 905	70 622	70 038	70 007	(X)
1983 ---	23 271	23 723	23 898	23 682	24 079	24 129	23 559	24 464	24 630	24 363	24 606	24 827	70 892	71 890	72 653	73 796	(X)
1984 ---	24 991	24 517	25 309	25 680	25 249	25 408	25 570	25 394	25 166	25 682	25 596	26 009	74 817	76 337	76 130	77 287	(X)
1985 ---	25 886	25 977	26 246	25 661	26 063	25 398	25 524	25 373	25 329	25 157	26 243	25 759	78 109	77 122	76 226	77 159	(X)
1986 ---	26 431	25 851	25 648	25 880	26 193	26 317	26 575	26 838	27 116	27 053	27 150	27 167	77 930	78 390	80 529	81 370	(X)
1987 ---	26 841	27 234	27 197	27 447	27 124	27 413	27 853	27 311	27 781	27 718	27 696	27 909	81 272	81 984	82 945	83 523	(X)
1988 ---	28 404	27 965	28 362	28 636	28 643	29 504	30 040	29 576	29 882	29 845	30 155	30 451	84 771	86 783	89 498	90 451	(X)
1989 ---	31 204	31 124	31 595	31 482	31 643	31 375	31 165	32 078	31 556	32 085	32 093	32 127	93 923	94 500	94 799	96 305	(X)
1990 ---	32 027	32 498	33 023	32 503	33 082	33 171	33 055	33 437	33 258	33 680	33 718	33 660	97 548	98 756	99 750	101 058	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.5	3.1	-1.0	-.4	1.1	1.0	-1.5	-1.9	2.9	-1.7	1.8	-2.2	4.6	1.0	-.8	-.1	(X)
1983 ---	.6	1.9	.7	-.9	1.7	.2	-2.4	3.8	.7	-1.1	1.0	.9	1.3	1.4	1.1	1.6	(X)
1984 ---	-.7	-1.9	3.2	1.5	-1.7	.6	-.7	-.9	2.1	-.3	1.6	1.4	2.0	-.3	1.5	1.5	(X)
1985 ---	-.5	.4	1.0	-2.2	1.6	-2.6	.5	-.6	-.2	-.7	4.3	-1.8	1.1	-1.3	-1.2	1.2	(X)
1986 ---	2.6	-2.2	-.8	.9	1.2	.5	1.0	1.0	1.0	-.2	.4	.1	1.0	.6	2.7	1.0	(X)
1987 ---	-1.2	1.5	-.1	.9	-1.2	1.1	1.6	-1.9	1.7	-.2	.6	-.1	-.1	.9	1.2	.7	(X)
1988 ---	1.8	-1.5	1.4	.9	-.1	.3	1.8	-1.5	1.0	-.1	1.0	1.0	1.5	2.4	3.1	1.1	(X)
1989 ---	2.5	-.3	1.5	-.4	.5	-.8	-.7	2.9	-1.6	1.7	-.1	-.1	3.8	.6	.3	1.6	(X)
1990 ---	-.3	1.5	1.6	-1.6	1.8	.3	-.3	1.2	-.5	1.3	.1	-.2	1.3	1.2	1.0	1.3	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MEAT PRODUCTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	5 255	5 397	5 376	5 436	5 842	5 854	5 552	5 793	5 906	5 896	5 656	5 639	16 028	17 132	17 251	17 191	67 602
1983 ---	5 361	5 535	5 629	5 457	5 726	5 729	5 290	5 695	5 674	5 577	5 582	5 854	16 525	16 912	16 659	17 013	67 109
1984 ---	5 609	5 658	5 819	5 690	5 795	5 974	5 641	6 019	5 885	6 019	5 841	6 046	17 086	17 459	17 545	17 906	69 996
1985 ---	5 662	5 735	5 751	5 512	5 828	5 861	5 779	5 858	5 558	5 869	6 021	5 842	17 148	17 201	17 195	17 732	69 276
1986 ---	5 491	5 557	5 536	5 609	5 728	6 003	6 033	6 536	6 601	6 629	6 304	6 153	16 584	17 340	19 170	19 086	72 180
1987 ---	5 903	5 986	6 132	6 334	6 534	6 672	6 547	6 532	6 827	6 762	6 341	6 432	18 021	19 540	19 906	19 535	77 002
1988 ---	6 077	6 246	6 304	6 367	6 854	7 053	6 759	7 066	7 179	7 337	6 877	7 070	18 627	20 274	21 004	21 284	81 189
1989 ---	6 936	7 313	7 382	7 388	7 787	7 590	7 294	7 674	7 690	7 814	7 337	7 724	21 631	22 765	22 658	22 875	89 929
1990 ---	7 148	7 701	8 020	7 784	8 279	8 430	8 044	8 439	8 410	8 622	8 034	8 200	22 869	24 493	24 893	24 856	97 111
Seasonally Adjusted—Millions of Dollars																	
1982 ---	5 426	5 480	5 479	5 665	5 846	5 775	5 762	5 628	5 723	5 640	5 660	5 520	16 385	17 286	17 113	16 820	(X)
1983 ---	5 551	5 651	5 735	5 672	5 713	5 623	5 453	5 523	5 501	5 349	5 601	5 750	16 937	17 008	16 477	16 700	(X)
1984 ---	5 831	5 807	5 933	5 895	5 761	5 851	5 770	5 839	5 700	5 782	5 870	5 952	17 571	17 507	17 309	17 604	(X)
1985 ---	5 912	5 910	5 879	5 698	5 779	5 735	5 867	5 678	5 370	5 633	6 065	5 781	17 701	17 212	16 915	17 479	(X)
1986 ---	5 760	5 743	5 677	5 785	5 658	5 866	6 085	6 335	6 358	6 356	6 383	6 118	17 180	17 309	18 778	18 857	(X)
1987 ---	6 227	6 185	6 309	6 514	6 417	6 502	6 583	6 330	6 566	6 475	6 452	6 434	18 721	19 433	19 479	19 361	(X)
1988 ---	6 460	6 442	6 486	6 519	6 685	6 849	6 794	6 860	6 912	7 023	7 036	7 091	19 388	20 053	20 566	21 150	(X)
1989 ---	7 417	7 520	7 582	7 540	7 558	7 341	7 345	7 457	7 429	7 480	7 534	7 754	22 519	22 439	22 231	22 768	(X)
1990 ---	7 671	7 901	8 220	7 936	8 012	8 133	8 108	8 208	8 144	8 259	8 269	8 224	23 792	24 081	24 460	24 752	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	5.3	1.0	-	3.4	3.2	-1.2	-2	-2.3	1.7	-1.5	4	-2.5	2.3	5.5	-1.0	-1.7	(X)
1983 ---	6	1.8	1.5	-1.1	7	-1.6	-3.0	1.3	-4	-2.8	4.7	2.7	7	4	-3.1	1.4	(X)
1984 ---	1.4	-4	2.2	-6	-2.3	1.6	-1.4	1.2	-2.4	1.4	1.5	1.4	5.2	-4	-1.1	1.7	(X)
1985 ---	-7	-	-5	-3.1	1.4	-8	2.3	-3.2	-5.4	4.9	7.7	-4.7	6	-2.8	-1.7	3.3	(X)
1986 ---	-4	-3	-1.1	1.9	-2.2	3.7	3.7	4.1	4	-	4	-4.2	-1.7	8	8.5	4	(X)
1987 ---	1.8	-7	2.0	3.2	-1.5	1.3	1.2	-3.8	3.7	-1.4	-4	-3	-7	3.8	2	-6	(X)
1988 ---	4	-3	7	5	2.5	2.5	-8	1.0	8	1.6	2	8	1	3.4	2.6	2.8	(X)
1989 ---	4.6	1.4	.8	-6	2	-2.9	1	1.5	-4	7	7	2.9	6.5	-4	-9	2.4	(X)
1990 ---	-1.1	3.0	4.0	-3.5	1.0	1.5	-3	1.2	-8	1.4	1	-5	4.5	1.2	1.6	1.2	(X)
DAIRY PRODUCTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	2 931	3 200	3 214	3 168	3 288	3 400	3 226	3 192	3 334	3 285	3 345	3 188	9 345	9 856	9 752	9 818	38 771
1983 ---	3 018	3 324	3 381	3 281	3 434	3 515	3 417	3 454	3 596	3 382	3 399	3 256	9 723	10 230	10 467	10 037	40 457
1984 ---	3 291	3 376	3 411	3 470	3 430	3 563	3 331	3 372	3 481	3 403	3 411	3 357	10 078	10 463	10 184	10 171	40 896
1985 ---	3 295	3 408	3 537	3 516	3 618	3 586	3 585	3 474	3 512	3 360	3 577	3 364	10 240	10 720	10 571	10 301	41 832
1986 ---	3 346	3 498	3 587	3 511	3 700	3 757	3 678	3 652	3 629	3 588	3 668	3 584	10 431	10 968	10 959	10 840	43 198
1987 ---	3 513	3 709	3 766	3 712	3 820	3 920	3 710	3 745	3 813	3 689	3 731	3 627	10 988	11 452	11 268	11 047	44 755
1988 ---	3 553	3 727	3 835	3 729	3 935	4 122	3 960	4 012	4 116	3 969	4 018	3 968	11 115	11 786	12 088	11 955	46 944
1989 ---	3 828	3 983	4 131	4 060	4 210	4 369	4 113	4 468	4 367	4 308	4 522	4 299	11 942	12 639	12 948	13 129	50 658
1990 ---	4 314	4 551	4 751	4 602	4 805	4 908	4 733	4 731	4 712	4 577	4 561	4 322	13 616	14 315	14 176	13 460	55 567
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 095	3 202	3 176	3 207	3 208	3 252	3 217	3 193	3 252	3 318	3 347	3 311	9 473	9 667	9 662	9 976	(X)
1983 ---	3 183	3 330	3 339	3 309	3 349	3 355	3 407	3 461	3 516	3 417	3 401	3 380	9 852	10 013	10 384	10 198	(X)
1984 ---	3 467	3 391	3 370	3 493	3 342	3 402	3 319	3 374	3 409	3 443	3 414	3 381	10 228	10 237	10 102	10 338	(X)
1985 ---	3 464	3 431	3 496	3 539	3 525	3 423	3 570	3 467	3 444	3 403	3 583	3 480	10 391	10 487	10 481	10 466	(X)
1986 ---	3 518	3 532	3 546	3 536	3 606	3 585	3 658	3 635	3 562	3 638	3 674	3 705	10 596	10 727	10 855	11 017	(X)
1987 ---	3 698	3 749	3 720	3 745	3 726	3 737	3 686	3 719	3 746	3 737	3 733	3 750	11 167	11 208	11 151	11 220	(X)
1988 ---	3 750	3 770	3 785	3 770	3 843	3 927	3 933	3 976	4 040	4 015	4 016	4 109	11 305	11 540	11 949	12 140	(X)
1989 ---	4 048	4 029	4 073	4 111	4 117	4 159	4 088	4 421	4 282	4 349	4 518	4 456	12 150	12 387	12 791	13 323	(X)
1990 ---	4 570	4 608	4 682	4 661	4 703	4 669	4 705	4 679	4 616	4 618	4 556	4 483	13 860	14 033	14 000	13 657	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	5	3.5	-8	1.0	-	1.4	-1.1	-7	1.8	2.0	9	-1.1	2.4	2.0	-1	3.2	(X)
1983 ---	-3.9	4.6	.3	-9	1.2	2	1.5	1.6	1.6	-2.8	-5	-6	-1.2	1.6	3.7	-1.8	(X)
1984 ---	2.6	-2.2	-6	3.6	-4.3	1.8	-2.4	1.7	1.0	-8	2.0	3	1	-1.3	2.3	2.3	(X)
1985 ---	-5	-1.0	1.9	1.2	-4	-2.9	4.3	-2.9	-7	-1.2	5.3	-2.9	5	9	-1	-1	(X)
1986 ---	1.1	4	4	-3	2.0	-6	2.0	-6	-2.0	2.1	1.0	8	12	1.2	1.2	1.5	(X)
1987 ---	-2	1.4	-8	7	-5	3	-1.4	9	7	-2	-1	5	1.4	4	-5	6	(X)
1988 ---	-	5	4	-4	1.9	2.2	2	1.1	1.6	-6	-	2.3	8	2.1	3.5	1.6	(X)
1989 ---	-1.5	-5	1.1	9	1	1.0	-1.7	8.1	-3.1	1.6	3.9	-1.4	1	2.0	3.3	4.2	(X)
1990 ---	2.6	8	1.6	-4	9	-7	8	-6	-1.3	-	-1.3	-1.6	4.0	1.2	-2	-2.5	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
BEVERAGES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	2 668	3 005	3 278	3 440	3 502	3 703	3 320	3 413	3 280	3 235	3 093	2 864	8 951	10 645	10 013	9 192	38 801
1983 ---	2 757	3 138	3 311	3 423	3 658	3 815	3 657	3 764	3 427	3 373	3 131	2 916	9 206	10 896	10 848	9 420	40 370
1984 ---	2 813	3 163	3 333	3 612	3 674	4 033	3 846	3 731	3 418	3 599	3 273	2 981	9 309	11 319	10 995	9 853	41 476
1985 ---	3 160	3 174	3 460	3 809	3 866	3 995	3 863	3 966	3 924	3 573	3 598	3 316	9 794	11 670	11 753	10 487	43 704
1986 ---	3 296	3 394	3 695	4 003	4 111	4 317	4 119	4 101	3 957	3 988	3 650	3 598	10 385	12 431	12 177	11 236	46 229
1987 ---	3 233	3 661	3 805	4 165	4 138	4 565	4 222	4 215	3 999	3 922	3 698	3 604	10 799	12 868	12 436	11 224	47 327
1988 ---	3 584	3 636	3 949	4 432	4 382	4 702	4 433	4 502	4 249	4 078	4 055	3 720	11 169	13 516	13 184	11 853	49 722
1989 ---	3 894	3 941	4 242	4 653	4 676	4 999	4 770	4 689	4 326	4 252	4 113	3 802	12 077	14 328	13 785	12 167	52 357
1990 ---	3 826	4 015	4 350	4 495	4 662	4 997	4 653	4 655	4 537	4 311	4 289	4 238	12 191	14 154	13 845	12 838	53 028
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 198	3 295	3 329	3 308	3 291	3 220	3 113	3 170	3 256	3 171	3 240	3 258	9 822	9 819	9 539	9 669	(X)
1983 ---	3 289	3 430	3 365	3 275	3 418	3 333	3 415	3 496	3 401	3 319	3 305	3 327	10 084	10 026	10 312	9 951	(X)
1984 ---	3 333	3 453	3 393	3 442	3 421	3 540	3 582	3 469	3 386	3 557	3 476	3 395	10 179	10 403	10 437	10 428	(X)
1985 ---	3 706	3 471	3 537	3 611	3 604	3 512	3 595	3 692	3 885	3 546	3 829	3 765	10 714	10 727	11 172	11 140	(X)
1986 ---	3 828	3 723	3 792	3 775	3 842	3 795	3 831	3 821	3 922	3 985	3 883	4 075	11 343	11 412	11 574	11 943	(X)
1987 ---	3 838	4 026	3 910	3 912	3 873	4 006	3 931	3 936	3 961	3 953	3 926	4 077	11 774	11 791	11 828	11 956	(X)
1988 ---	4 106	3 994	4 057	4 159	4 106	4 117	4 129	4 206	4 207	4 149	4 298	4 211	12 517	12 382	12 542	12 658	(X)
1989 ---	4 447	4 322	4 352	4 363	4 386	4 367	4 443	4 384	4 280	4 354	4 349	4 314	13 121	13 116	13 107	13 017	(X)
1990 ---	4 364	4 400	4 459	4 209	4 373	4 364	4 332	4 350	4 491	4 432	4 522	4 820	13 223	12 946	13 173	13 774	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1	3.0	1.0	-6	-5	-2.2	-3.3	1.8	2.7	-2.6	2.2	.6	4.1	-	-2.9	1.4	(X)
1983 ---	1.0	4.3	-1.9	-2.7	4.4	-2.5	2.5	2.4	-2.7	-2.4	-4	7	4.3	-6	2.9	-3.5	(X)
1984 ---	2	3.6	-1.7	1.4	-6	3.5	1.2	-3.2	-2.4	5.1	-2.3	-2.3	2.3	2.2	3	-1	(X)
1985 ---	9.2	-6.3	1.9	2.1	-2	-2.6	2.4	2.7	5.2	-8.7	8.0	-1.7	2.7	1	4.1	-3	(X)
1986 ---	1.7	-2.7	1.9	-4	1.8	-1.2	.9	-3	2.6	1.6	-2.6	4.9	1.8	6	1.4	3.2	(X)
1987 ---	-5.8	4.9	-2.9	1	-1.0	3.4	-1.9	1	.6	-2	-7	3.8	-1.4	1	3	1.1	(X)
1988 ---	7	-2.7	1.6	2.5	-1.3	3	3	1.9	-	-1.4	3.6	-2.0	1.7	1.9	1.3	.9	(X)
1989 ---	5.6	-2.8	7	3	5	-4	1.7	-1.3	-2.4	1.7	-1	-8	3.7	-	-1	-7	(X)
1990 ---	1.2	8	1.3	-5.6	3.9	-2	-7	.4	3.2	-1.3	2.0	6.6	1.6	-2.1	1.8	4.6	(X)
ALL OTHER FOODS, EXCEPT FATS AND OILS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	8 893	10 471	10 615	9 033	9 402	10 260	8 846	9 362	11 298	10 213	10 165	10 045	29 979	28 695	29 506	30 423	118 603
1983 ---	8 996	10 462	11 004	9 573	9 835	10 592	8 941	10 107	11 862	11 020	10 742	11 181	30 462	30 000	30 310	32 943	124 315
1984 ---	9 739	10 740	11 853	10 547	10 580	10 977	10 143	10 597	12 488	11 794	11 278	11 949	32 332	32 104	33 228	35 021	132 685
1985 ---	10 354	12 140	12 841	10 731	11 112	11 281	10 000	10 540	12 573	11 569	11 440	11 739	35 335	33 124	33 113	34 748	136 320
1986 ---	10 997	11 920	12 156	10 976	11 349	11 916	10 654	11 160	13 398	12 221	11 986	12 300	35 073	34 241	35 212	36 507	141 033
1987 ---	10 953	12 408	12 737	11 428	11 534	11 970	11 061	11 415	13 581	12 705	12 533	12 435	36 098	34 932	36 057	37 673	144 760
1988 ---	11 617	12 537	13 206	12 002	12 100	12 966	11 844	12 239	14 366	13 488	13 311	13 465	37 360	37 068	38 449	40 264	153 141
1989 ---	12 638	13 845	14 389	13 010	13 454	13 938	12 326	13 602	15 571	14 954	14 242	14 130	40 872	40 402	41 499	43 326	166 099
1990 ---	13 048	14 428	15 037	13 578	14 165	14 618	13 052	14 150	16 082	15 688	15 027	14 695	42 513	42 361	43 284	45 410	173 568
Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 704	10 057	9 806	9 670	9 828	10 068	9 976	9 698	10 133	9 864	10 070	9 715	29 567	29 566	29 807	29 649	(X)
1983 ---	9 846	10 026	10 146	10 218	10 240	10 418	10 021	10 558	10 601	10 662	10 671	10 619	30 018	30 876	31 180	32 152	(X)
1984 ---	10 683	10 275	10 937	11 205	10 974	10 844	11 312	11 152	11 146	11 406	11 200	11 563	31 895	33 023	33 610	34 169	(X)
1985 ---	11 335	11 639	11 889	11 350	11 493	11 191	11 103	11 136	11 222	11 182	11 340	11 377	34 863	34 034	33 461	33 899	(X)
1986 ---	11 977	11 460	11 317	11 567	11 718	11 843	11 815	11 788	11 975	11 781	11 854	11 970	34 754	35 128	35 578	35 605	(X)
1987 ---	11 840	11 991	11 926	12 021	11 892	11 882	12 268	12 028	12 623	12 200	12 362	12 181	35 757	35 795	36 459	36 743	(X)
1988 ---	12 491	12 168	12 416	12 607	12 458	12 854	13 155	12 845	12 903	12 885	13 096	13 278	37 075	37 919	38 903	39 259	(X)
1989 ---	13 543	13 495	13 561	13 651	13 836	13 801	13 699	14 221	14 033	14 222	14 002	13 994	40 599	41 288	41 953	42 218	(X)
1990 ---	13 965	14 091	14 181	14 241	14 555	14 465	14 520	14 764	14 519	14 890	14 771	14 583	42 237	43 261	43 803	44 244	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	7.3	3.6	-2.5	-1.4	1.6	2.4	-9	-2.8	4.5	-2.7	2.1	-3.5	6.5	-	.8	-5	(X)
1983 ---	1.3	1.8	1.2	7	2	1.7	-3.8	5.4	.4	6	1	1.4	1.2	2.9	1.0	3.1	(X)
1984 ---	-1.3	-3.8	6.4	2.5	-2.1	-1.2	4.3	-1.4	-1	2.3	-1.8	3.2	-8	3.5	1.8	1.7	(X)
1985 ---	-2.0	2.7	2.1	-4.5	1.3	-2.6	-8	-3	8	-4	1.4	.3	2.0	-2.4	-1.7	1.3	(X)
1986 ---	5.3	-4.3	-1.2	2.2	1.3	1.1	-2	-2	1.6	-1.6	6	1.0	2.5	1.1	1.3	1	(X)
1987 ---	-1.1	1.3	-5	8	-1.1	-1	3.2	-2.0	1.1	3	1.3	-1.5	4	1	1.9	8	(X)
1988 ---	2.5	-2.6	2.0	1.5	-1.2	3.2	2.3	-2.4	5	-1	1.6	1.4	9	2.3	2.6	9	(X)
1989 ---	2.0	-4	5	7	1.4	-3	-7	3.8	-1.3	1.3	-1.5	-1	3.4	1.7	1.6	6	(X)
1990 ---	-2	9	6	4	2.2	-6	4	1.7	1.7	2.6	-8	-1.3	-	2.4	1.3	1.0	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb.	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec.	1st	2nd	3rd	4th	
TOBACCO PRODUCTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 224	1 209	1 198	1 300	1 283	1 560	1 143	1 425	1 660	1 387	1 209	1 463	3 631	4 143	4 228	4 059	16 061
1983 ---	1 038	1 057	1 348	1 130	1 251	1 591	1 207	1 321	1 594	1 403	1 475	1 853	3 443	3 972	4 122	4 731	16 261
1984 ---	1 092	1 310	1 585	1 356	1 493	1 721	1 341	1 542	1 606	1 392	1 339	1 696	3 987	4 570	4 489	4 427	17 473
1985 ---	1 156	1 442	1 688	1 333	1 626	2 007	1 214	1 496	1 674	1 365	1 531	2 027	4 286	4 966	4 384	4 923	18 559
1986 ---	872	1 438	1 833	1 377	1 713	2 181	1 247	1 580	1 696	1 276	1 741	2 192	4 143	5 271	4 523	5 209	19 146
1987 ---	878	1 438	1 875	1 283	1 930	2 208	1 282	1 667	2 194	1 484	2 071	2 447	4 191	5 421	5 143	6 002	20 757
1988 ---	1 090	1 500	2 246	1 572	2 356	2 346	1 423	1 833	2 528	1 824	2 423	2 691	4 836	6 274	5 784	6 936	23 832
1989 ---	1 285	1 692	2 572	1 941	2 351	2 581	1 399	2 028	2 554	2 230	2 543	2 827	5 549	6 873	5 981	7 600	26 003
1990 ---	1 417	1 829	2 617	2 222	2 663	2 557	1 726	2 468	2 744	2 393	3 179	2 346	5 863	7 442	6 936	7 918	28 161
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 642	1 393	1 107	1 433	1 260	1 276	1 391	1 403	1 462	1 438	1 181	1 224	4 142	3 969	4 256	3 843	(X)
1983 ---	1 406	1 212	1 241	1 254	1 223	1 291	1 479	1 304	1 406	1 463	1 431	1 546	3 859	3 768	4 189	4 440	(X)
1984 ---	1 514	1 490	1 449	1 522	1 444	1 378	1 671	1 535	1 418	1 460	1 284	1 405	4 453	4 344	4 624	4 149	(X)
1985 ---	1 661	1 640	1 524	1 521	1 546	1 577	1 550	1 507	1 483	1 439	1 440	1 664	4 825	4 644	4 540	4 543	(X)
1986 ---	1 303	1 646	1 625	1 592	1 595	1 704	1 639	1 619	1 508	1 345	1 603	1 773	4 574	4 891	4 766	4 721	(X)
1987 ---	1 355	1 672	1 630	1 494	1 762	1 738	1 730	1 727	1 956	1 570	1 866	1 956	4 657	4 994	5 413	5 392	(X)
1988 ---	1 717	1 774	1 921	1 829	2 115	1 878	1 963	1 916	2 252	1 931	2 152	2 127	5 412	5 822	6 131	6 210	(X)
1989 ---	2 048	2 032	2 178	2 251	2 089	2 092	1 957	2 124	2 274	2 362	2 239	2 226	6 258	6 432	6 355	6 827	(X)
1990 ---	2 263	2 217	2 207	2 571	2 357	2 083	2 431	2 591	2 440	2 532	2 792	1 844	6 687	7 011	7 462	7 166	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	42.2	-15.2	-20.5	29.4	-12.1	1.3	9.0	9	4.2	-1.6	-17.9	3.6	23.0	-4.2	7.2	-9.7	(X)
1983 ---	14.9	-13.8	2.4	1.0	-2.5	5.6	14.6	-11.8	7.8	4.1	-2.2	8.0	4	-2.4	11.2	6.0	(X)
1984 ---	-2.1	-1.6	-2.8	5.0	-5.1	-4.6	21.3	-8.1	-7.6	3.0	-12.1	9.4	3	-2.4	6.4	-10.3	(X)
1985 ---	18.2	-1.3	-7.1	-2	1.6	2.0	-1.7	-2.8	-1.6	-3.0	1	15.6	16.3	-3.8	-2.2	1	(X)
1986 ---	-21.7	26.3	-1.3	-2.0	2	6.8	-3.8	-1.2	-6.9	-10.8	19.2	10.6	7	6.9	-2.6	-9	(X)
1987 ---	-23.6	23.4	-2.5	-8.3	17.9	-1.4	-5	-2	13.3	-19.7	18.9	4	-1.4	7.2	8.4	-4	(X)
1988 ---	-12.2	3.3	6.3	-4.8	15.6	-11.2	4.5	-2.4	17.5	-14.3	11.4	-1.2	4	7.6	5.3	1.3	(X)
1989 ---	-3.7	-8	7.2	3.4	-7.2	1	-6.5	8.5	7.1	3.9	-5.2	-6	8	2.8	-1.2	7.4	(X)
1990 ---	1.7	-2.0	-5	16.5	-8.3	-11.6	16.7	6.6	-5.8	3.8	10.3	-34.0	-2.1	4.8	6.4	-3.9	(X)
TEXTILE MILL PRODUCTS, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	3 365	3 929	4 389	3 875	4 036	4 328	3 274	4 093	4 284	4 140	3 901	3 882	11 703	12 239	11 651	11 923	47 516
1983 ---	3 527	4 040	4 660	4 259	4 467	4 896	3 905	4 788	4 932	4 969	4 593	4 637	12 227	13 622	13 685	14 199	53 733
1984 ---	4 317	4 873	5 346	4 790	4 843	5 088	3 924	4 787	5 032	4 724	4 356	4 256	14 536	14 721	13 743	13 336	56 336
1985 ---	3 824	4 367	4 919	4 420	4 521	4 848	3 845	4 726	5 062	5 029	4 647	4 397	13 110	13 789	13 633	14 073	54 605
1986 ---	4 100	4 610	4 908	4 608	4 528	5 051	4 099	5 091	5 332	5 269	4 866	4 726	13 618	14 187	14 522	14 861	57 188
1987 ---	4 297	5 038	5 467	5 065	5 145	5 708	4 645	5 621	5 866	5 717	5 370	4 848	14 802	15 918	16 132	15 935	62 787
1988 ---	4 552	5 161	5 538	5 305	5 331	5 852	4 602	5 585	6 049	5 655	5 599	5 539	15 251	16 488	16 236	16 793	64 768
1989 ---	5 118	5 819	6 040	5 657	5 681	6 194	4 887	6 002	6 194	6 098	5 813	4 863	16 977	17 532	17 083	16 774	68 366
1990 ---	4 814	5 449	5 759	5 297	5 392	5 822	4 447	5 494	5 603	5 510	5 293	4 655	16 022	16 511	15 544	15 458	63 535
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 839	3 954	3 989	3 912	3 976	3 971	3 862	3 973	3 926	3 960	3 971	4 125	11 782	11 859	11 761	12 056	(X)
1983 ---	4 024	4 068	4 234	4 312	4 414	4 503	4 610	4 628	4 564	4 730	4 685	4 902	12 326	13 229	13 802	14 317	(X)
1984 ---	4 954	4 914	4 879	4 862	4 807	4 689	4 615	4 609	4 590	4 467	4 433	4 486	14 747	14 358	13 814	13 386	(X)
1985 ---	4 396	4 409	4 528	4 486	4 518	4 479	4 502	4 534	4 609	4 727	4 705	4 621	13 335	13 483	13 645	14 053	(X)
1986 ---	4 720	4 654	4 561	4 680	4 549	4 670	4 787	4 873	4 849	4 930	4 896	4 986	13 935	13 899	14 509	14 812	(X)
1987 ---	4 945	5 085	5 129	5 149	5 182	5 275	5 416	5 377	5 337	5 357	5 370	5 126	15 159	15 606	16 130	15 853	(X)
1988 ---	5 229	5 205	5 222	5 390	5 362	5 402	5 357	5 334	5 518	5 299	5 552	5 895	15 656	16 154	16 209	16 746	(X)
1989 ---	5 878	5 863	5 723	5 745	5 708	5 712	5 698	5 727	5 661	5 723	5 720	5 208	17 464	17 165	17 086	16 651	(X)
1990 ---	5 527	5 496	5 465	5 384	5 434	5 357	5 172	5 245	5 123	5 166	5 188	4 995	16 488	16 175	15 540	15 349	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.4	3.0	.9	-1.9	1.6	-.1	-2.7	2.9	-1.2	.9	3	3.9	-1.8	7	-8	2.5	(X)
1983 ---	-2.4	1.1	4.1	1.8	2.4	2.0	2.4	4	-1.4	3.6	-1.0	4.6	2.2	7.3	4.3	3.7	(X)
1984 ---	1.1	-8	-7	-3	-1.1	-2.5	-1.6	-1	-4	-2.7	-8	1.2	3.0	-2.6	-3.8	-3.1	(X)
1985 ---	-2.0	.3	2.7	-.9	.7	-.9	5	7	1.7	2.6	-.5	-1.8	-.4	1.1	1.2	3.0	(X)
1986 ---	2.1	-1.4	-2.0	2.6	-2.8	2.7	2.5	1.8	-.5	1.7	-.7	1.8	-.8	-.3	4.4	2.1	(X)
1987 ---	-.8	2.8	.9	4	6	1.8	2.7	-.7	-.7	4	2	-4.5	2.3	2.9	3.4	-1.7	(X)
1988 ---	2.0	-.5	3	3.2	-.5	7	-.8	-.4	3.4	-4.0	4.8	6.2	-1.2	3.2	.3	3.3	(X)
1989 ---	-.3	-.3	-2.4	4	-.6	1	-.2	5	-1.2	1.1	-.1	-9.0	4.3	-1.7	-.5	-2.5	(X)
1990 ---	6.1	-.6	-.6	-1.5	9	-.14	-3.5	1.4	-2.3	.8	4	-3.7	-1.0	-1.9	-3.9	-1.2	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec	1st	2nd	3rd	4th	
BROADWOVEN FABRICS AND OTHER TEXTILES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	2 264	2 571	2 922	2 456	2 656	2 772	2 063	2 502	2 707	2 557	2 517	2 662	7 757	7 884	7 272	7 736	30 649
1983 ---	2 332	2 597	3 110	2 732	2 912	3 172	2 466	2 991	3 192	3 077	2 987	3 096	8 039	8 816	8 649	9 160	34 664
1984 ---	2 822	3 142	3 553	3 054	3 126	3 250	2 384	2 972	3 250	2 905	2 733	2 822	9 517	9 430	8 606	8 460	36 013
1985 ---	2 497	2 767	3 159	2 699	2 815	3 063	2 274	2 880	3 183	3 072	2 833	2 939	8 423	8 577	8 337	8 844	34 181
1986 ---	2 646	2 940	3 158	2 800	2 835	3 203	2 450	3 054	3 308	3 146	2 911	3 087	8 744	8 838	8 812	9 144	35 538
1987 ---	2 703	3 179	3 412	3 108	3 225	3 579	2 805	3 486	3 758	3 578	3 400	3 228	9 294	9 912	10 049	10 206	39 461
1988 ---	2 973	3 293	3 528	3 458	3 536	3 727	2 802	3 516	3 856	3 485	3 470	3 644	9 794	10 721	10 174	10 599	41 288
1989 ---	3 257	3 741	3 861	3 645	3 752	3 906	3 043	3 704	3 869	3 829	3 607	3 073	10 859	11 303	10 616	10 509	43 287
1990 ---	2 993	3 325	3 507	3 248	3 263	3 407	2 623	3 340	3 441	3 256	3 124	2 851	9 825	9 918	9 404	9 231	38 378
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 506	2 566	2 579	2 513	2 589	2 548	2 518	2 513	2 478	2 527	2 584	2 707	7 651	7 650	7 509	7 818	(X)
1983 ---	2 593	2 594	2 750	2 803	2 849	2 918	3 015	2 987	2 910	3 025	3 077	3 122	7 937	8 570	8 912	9 224	(X)
1984 ---	3 153	3 139	3 161	3 144	3 080	2 990	2 915	2 948	2 951	2 832	2 816	2 835	9 453	9 214	8 814	8 483	(X)
1985 ---	2 798	2 766	2 845	2 777	2 786	2 823	2 781	2 840	2 880	2 971	2 912	2 952	8 409	8 386	8 501	8 835	(X)
1986 ---	2 970	2 937	2 887	2 875	2 813	2 957	2 987	2 997	2 989	3 018	2 977	3 117	8 794	8 645	8 973	9 112	(X)
1987 ---	3 038	3 176	3 167	3 177	3 195	3 311	3 308	3 402	3 402	3 319	3 454	3 284	9 381	9 683	10 212	10 154	(X)
1988 ---	3 351	3 286	3 311	3 517	3 496	3 457	3 388	3 416	3 503	3 319	3 494	3 744	9 948	10 470	10 307	10 557	(X)
1989 ---	3 676	3 735	3 648	3 686	3 698	3 632	3 677	3 587	3 521	3 648	3 611	3 180	11 059	11 016	10 785	10 439	(X)
1990 ---	3 380	3 323	3 321	3 272	3 207	3 171	3 171	3 233	3 135	3 103	3 120	2 958	10 024	9 650	9 539	9 181	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-4.6	2.4	.5	-2.6	3.0	-1.6	-1.2	-2	-1.4	2.0	2.3	4.8	-4.8	-	-1.8	4.1	(X)
1983 ---	-4.2	-	6.0	1.9	1.6	2.4	3.3	-9	-2.6	4.0	1.7	1.5	1.5	8.0	4.0	3.5	(X)
1984 ---	1.0	-4	7	-5	-2.0	-2.9	-2.5	1.1	-1	-4.0	-6	7	2.5	-2.5	-4.3	-3.8	(X)
1985 ---	-1.3	-1.1	2.9	-2.4	-3	1.3	-1.5	2.1	1.4	3.2	-2.0	1.4	-9	-3	1.4	3.9	(X)
1986 ---	6	-1.1	-1.7	-4	-2.2	5.1	1.0	-3	-3	1.0	-1.4	4.7	-5	-1.7	3.8	1.5	(X)
1987 ---	-2.5	4.5	-3	-3	3.6	2.9	-2	8	-4	-5.3	5.3	7.2	3.0	3.2	5.5	-6	(X)
1988 ---	-2.0	-1.9	8	6.2	-6	-1.1	-2.0	8	2.5	-5.3	5.3	7.2	-2.0	5.2	-1.6	2.4	(X)
1989 ---	-1.8	1.6	-2.3	1.0	-3	-1.8	1.2	-2.4	-1.8	3.6	-1.0	-11.9	4.8	-4	-2.1	-3.2	(X)
1990 ---	6.3	-1.7	-1	-1.5	-2.0	-1.1	-	2.0	-3.0	-1.0	.5	-5.2	-4.0	-3.7	-1.2	-3.8	(X)
PAPER AND ALLIED PRODUCTS, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	6 615	6 973	7 086	6 680	6 645	6 840	6 207	6 793	6 768	6 712	6 352	6 027	20 674	20 165	19 768	19 091	79 698
1983 ---	6 562	6 794	6 997	7 076	6 899	7 346	6 701	7 208	7 347	7 494	7 232	7 161	20 353	21 321	21 256	21 887	84 817
1984 ---	7 420	7 988	8 182	7 909	8 008	8 574	7 662	8 093	8 159	8 059	7 760	7 710	23 591	24 491	23 914	23 529	95 525
1985 ---	7 902	8 247	8 266	7 917	8 006	8 301	7 446	7 914	7 931	7 723	7 836	7 409	24 196	24 224	23 291	22 968	94 679
1986 ---	7 920	8 283	8 182	8 326	8 134	8 722	8 045	8 571	8 745	8 566	8 150	8 239	24 367	25 182	25 361	24 955	99 865
1987 ---	8 359	9 061	8 995	8 806	8 769	9 403	8 909	9 205	9 481	9 508	9 202	9 291	26 415	26 978	27 595	28 001	108 989
1988 ---	9 580	9 944	10 009	10 058	10 028	10 700	9 922	10 492	10 611	10 603	10 208	10 400	29 533	30 786	31 025	31 211	122 555
1989 ---	10 673	10 874	10 944	10 820	10 646	11 228	10 334	10 570	10 869	10 821	10 464	10 044	32 491	32 694	31 773	31 329	128 287
1990 ---	10 386	10 808	11 054	10 614	10 708	11 156	10 542	10 982	11 041	10 904	10 473	10 093	32 248	32 478	32 565	31 470	128 761
Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 805	6 744	6 757	6 594	6 615	6 556	6 581	6 688	6 675	6 631	6 581	6 439	20 306	19 765	19 944	19 651	(X)
1983 ---	6 733	6 567	6 705	6 991	6 890	7 027	7 086	7 115	7 235	7 425	7 494	7 595	20 005	20 908	21 436	22 514	(X)
1984 ---	7 601	7 732	7 879	7 812	8 014	8 185	8 070	8 008	8 028	8 001	8 037	8 127	23 212	24 011	24 106	24 165	(X)
1985 ---	7 851	7 999	8 007	7 830	8 042	7 911	7 803	7 845	7 784	7 672	8 118	7 767	23 857	23 783	23 432	23 557	(X)
1986 ---	8 060	8 057	7 963	8 252	8 190	8 311	8 399	8 504	8 584	8 515	8 431	8 588	24 080	24 753	25 487	25 534	(X)
1987 ---	8 509	8 842	8 775	8 745	8 840	8 978	9 271	9 132	9 302	9 435	9 501	9 653	26 126	26 563	27 705	28 589	(X)
1988 ---	9 751	9 734	9 769	10 013	10 116	10 241	10 293	10 409	10 421	10 497	10 513	10 788	29 254	30 370	31 123	31 798	(X)
1989 ---	10 876	10 672	10 676	10 804	10 733	10 764	10 695	10 480	10 677	10 690	10 758	10 425	32 224	32 301	31 852	31 873	(X)
1990 ---	10 611	10 629	10 778	10 622	10 794	10 685	10 901	10 884	10 856	10 768	10 758	10 467	32 018	32 101	32 641	31 993	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.6	-9	2	-2.4	3	-9	.4	1.6	-2	-7	-8	-2.2	1.1	-2.7	.9	-1.5	(X)
1983 ---	4.6	-2.5	2.1	4.3	-1.4	2.0	.8	.4	1.7	2.6	9	1.3	1.8	4.5	2.5	5.0	(X)
1984 ---	1	1.7	1.9	-9	2.6	2.1	-1.4	-8	-2	-3	4	1.1	3.1	3.4	4	2	(X)
1985 ---	-3.4	1.9	1	-2.2	2.7	-1.6	-1.4	.5	-8	-1.4	5.8	-4.3	-1.3	-3	-1.5	5	(X)
1986 ---	3.8	-	-1.2	3.6	-8	1.5	1.1	1.3	9	-8	-10	1.9	2.2	2.8	3.0	2	(X)
1987 ---	-9	3.9	-8	-3	1.1	1.6	3.3	-1.5	1.9	1.4	7	1.6	2.3	1.7	4.3	3.2	(X)
1988 ---	10	-2	4	2.5	1.0	1.2	.5	1.1	1	7	2	2.6	2.3	3.8	2.5	2.2	(X)
1989 ---	8	-1.9	-	1.2	-7	.3	-6	-2.0	1.9	1	6	-3.1	1.3	2	-1.4	1	(X)
1990 ---	1.8	2	1.4	-1.4	1.6	-1.0	2.0	-2	-3	-8	-1	-2.7	5	3	1.7	-2.0	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
PULP, PAPER, AND PAPERBOARD MILL PRODUCTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	2 825	3 026	3 119	2 879	2 858	2 906	2 607	2 791	2 803	2 775	2 723	2 494	8 970	8 643	8 201	7 992	33 806
1983 ---	2 716	2 885	2 963	2 982	2 928	3 113	2 819	3 029	3 113	3 116	3 123	3 116	8 564	9 023	8 961	9 355	35 903
1984 ---	3 161	3 475	3 597	3 490	3 590	3 708	3 294	3 460	3 466	3 327	3 359	3 324	10 233	10 788	10 220	10 010	41 251
1985 ---	3 193	3 496	3 539	3 394	3 283	3 360	2 996	3 228	3 151	3 085	3 355	3 013	10 228	10 037	9 375	9 453	39 093
1986 ---	3 161	3 316	3 321	3 436	3 288	3 556	3 376	3 442	3 595	3 599	3 430	3 616	9 798	10 280	10 413	10 645	41 136
1987 ---	3 655	3 822	3 870	3 778	3 727	3 888	3 895	3 949	4 006	4 080	4 064	4 227	11 347	11 393	11 850	12 371	46 961
1988 ---	4 286	4 502	4 516	4 558	4 463	4 656	4 475	4 680	4 684	4 682	4 625	4 773	13 304	13 677	13 839	14 080	54 900
1989 ---	4 891	5 014	4 922	4 914	4 849	4 961	4 683	4 755	4 707	4 696	4 621	4 383	14 827	14 724	14 145	13 700	57 396
1990 ---	4 526	4 745	4 804	4 584	4 673	4 742	4 590	4 777	4 826	4 699	4 570	4 529	14 075	13 999	14 193	13 798	56 065
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 951	2 930	2 949	2 808	2 801	2 779	2 780	2 799	2 802	2 794	2 778	2 621	8 830	8 388	8 381	8 193	(X)
1983 ---	2 818	2 790	2 807	2 912	2 886	2 976	3 002	3 042	3 108	3 158	3 189	3 244	8 415	8 774	9 152	9 591	(X)
1984 ---	3 258	3 362	3 421	3 407	3 561	3 553	3 493	3 475	3 465	3 380	3 434	3 427	10 041	10 521	10 433	10 241	(X)
1985 ---	3 267	3 384	3 388	3 316	3 279	3 229	3 155	3 245	3 153	3 135	3 438	3 076	10 039	9 824	9 553	9 649	(X)
1986 ---	3 211	3 211	3 200	3 362	3 301	3 438	3 532	3 457	3 603	3 649	3 515	3 668	9 622	10 101	10 592	10 832	(X)
1987 ---	3 693	3 703	3 750	3 711	3 755	3 783	4 047	3 963	4 011	4 121	4 166	4 276	11 146	11 249	12 021	12 563	(X)
1988 ---	4 319	4 364	4 391	4 498	4 501	4 554	4 627	4 689	4 686	4 712	4 737	4 825	13 074	13 553	14 002	14 274	(X)
1989 ---	4 934	4 863	4 792	4 871	4 882	4 867	4 827	4 756	4 701	4 720	4 730	4 435	14 589	14 620	14 284	13 885	(X)
1990 ---	4 574	4 602	4 678	4 553	4 697	4 657	4 729	4 769	4 820	4 725	4 675	4 585	13 854	13 907	14 318	13 985	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.8	-7	6	-4.8	-2	-8	-	7	-1	-3	-6	-5.7	4	-5.0	-1	-2.2	(X)
1983 ---	7.5	-1.0	6	3.7	-9	3.1	9	1.3	2.2	1.6	1.0	1.7	2.7	4.3	4.3	4.8	(X)
1984 ---	4	3.2	1.8	-4	4.5	-2	-1.7	-5	-3	-2.5	1.6	-2	4.7	4.8	-8	-1.8	(X)
1985 ---	-4.7	3.6	1	-2.1	-1.1	-1.5	-2.3	2.9	-2.8	-6	9.7	-10.5	-2.0	-2.1	-2.8	1.0	(X)
1986 ---	4.4	-	-3	5.1	-1.8	4.2	2.7	-2.1	4.2	1.3	-3.7	4.4	-3	5.0	4.9	2.3	(X)
1987 ---	7	3	1.3	-1.0	1.2	7	7.0	-2.1	1.2	2.7	1.1	2.6	2.9	9	6.9	4.5	(X)
1988 ---	1.0	1.0	6	2.4	1	1.2	1.6	1.3	-1	6	5	1.9	4.1	3.7	3.3	1.9	(X)
1989 ---	2.3	-1.4	-1.5	1.6	2	-3	-8	-1.5	-1.2	4	2	-6.2	2.2	2	-2.3	-2.8	(X)
1990 ---	3.1	6	1.7	-2.7	3.2	-9	1.5	8	1.1	-2.0	-1.1	-1.9	-2	4	3.0	-2.3	(X)
PAPERBOARD CONTAINERS AND BOXES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 497	1 637	1 671	1 589	1 577	1 643	1 519	1 647	1 684	1 711	1 558	1 459	4 805	4 809	4 850	4 728	19 192
1983 ---	1 594	1 627	1 692	1 687	1 685	1 776	1 640	1 766	1 816	1 922	1 811	1 673	4 913	5 148	5 222	5 406	20 689
1984 ---	1 798	1 822	1 987	1 912	1 924	1 991	1 838	1 971	1 973	2 055	1 897	1 773	5 607	5 827	5 782	5 725	22 941
1985 ---	1 910	1 976	2 044	2 019	1 965	2 018	1 788	1 959	1 965	1 968	1 838	1 734	5 930	6 002	5 712	5 540	23 184
1986 ---	1 891	1 986	1 987	1 987	2 000	2 082	1 878	2 074	2 086	2 045	1 945	1 861	5 864	6 069	6 038	5 851	23 822
1987 ---	1 936	2 104	2 126	2 131	2 163	2 346	2 109	2 211	2 268	2 285	2 107	2 077	6 166	6 640	6 588	6 469	25 863
1988 ---	2 183	2 230	2 222	2 319	2 369	2 529	2 267	2 457	2 524	2 502	2 314	2 277	6 635	7 217	7 248	7 093	28 193
1989 ---	2 336	2 474	2 546	2 566	2 473	2 572	2 336	2 518	2 454	2 559	2 384	2 305	7 356	7 611	7 308	7 248	29 523
1990 ---	2 389	2 463	2 522	2 417	2 468	2 492	2 304	2 511	2 494	2 530	2 381	2 211	7 374	7 377	7 309	7 122	29 182
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 561	1 593	1 591	1 565	1 574	1 587	1 617	1 619	1 636	1 627	1 600	1 618	4 745	4 726	4 872	4 845	(X)
1983 ---	1 657	1 592	1 621	1 663	1 679	1 710	1 738	1 733	1 763	1 829	1 863	1 853	4 870	5 052	5 234	5 545	(X)
1984 ---	1 864	1 793	1 917	1 884	1 910	1 909	1 942	1 930	1 917	1 962	1 957	1 957	5 574	5 703	5 789	5 876	(X)
1985 ---	1 977	1 952	1 982	1 990	1 946	1 927	1 886	1 916	1 906	1 886	1 905	1 903	5 911	5 863	5 708	5 694	(X)
1986 ---	1 958	1 968	1 934	1 958	1 977	1 980	1 978	2 027	2 020	1 969	2 024	2 029	5 860	5 915	6 025	6 022	(X)
1987 ---	2 006	2 089	2 073	2 104	2 136	2 227	2 220	2 157	2 192	2 206	2 199	2 251	6 168	6 467	6 569	6 656	(X)
1988 ---	2 267	2 217	2 167	2 293	2 340	2 399	2 382	2 397	2 439	2 415	2 416	2 456	6 651	7 032	7 218	7 287	(X)
1989 ---	2 428	2 465	2 482	2 545	2 442	2 441	2 452	2 456	2 373	2 466	2 489	2 480	7 375	7 428	7 281	7 435	(X)
1990 ---	2 487	2 460	2 456	2 399	2 438	2 365	2 419	2 450	2 412	2 436	2 485	2 376	7 403	7 202	7 281	7 297	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.0	2.0	-1	-1.6	6	8	1.9	-1	1.1	-6	-1.7	1.1	5	-4	3.1	-6	(X)
1983 ---	2.4	-3.9	1.8	2.6	1.0	1.8	1.6	-3	1.7	3.7	1.9	-5	5	3.7	3.6	5.9	(X)
1984 ---	6	-3.8	6.9	-1.7	1.4	-1	1.7	-6	-7	2.3	-3	-	5	2.3	1.5	1.5	(X)
1985 ---	1.0	-1.3	1.5	4	-2.2	-1.0	-2.1	1.6	-5	-1.0	1.0	-1	6	-8	-2.6	-2	(X)
1986 ---	2.9	.5	-1.7	1.2	1.0	2	-1	2.5	-3	-2.5	2.8	2	2.9	9	1.9	-	(X)
1987 ---	-1.1	4.1	-8	1.5	1.5	4.3	-3	-2.8	1.6	6	-3	2.4	2.4	4.8	1.6	1.3	(X)
1988 ---	7	-2.2	-2.3	5.8	2.0	2.5	-7	6	1.8	-1.0	-	1.7	-1	5.7	2.6	1.0	(X)
1989 ---	-1.1	1.5	.7	2.5	-4.0	-	5	2	-3.4	3.9	9	-4	1.2	7	-2.0	2.1	(X)
1990 ---	3	-1.1	-2	-2.3	1.6	-3.0	2.3	1.3	-1.6	1.0	2.0	-4.4	-4	-2.7	1.1	2	(X)

See footnotes at end of table.



## 24 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MISCELLANEOUS CONVERTED PAPER PRODUCTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	2 293	2 310	2 296	2 212	2 210	2 291	2 081	2 355	2 281	2 226	2 071	2 074	6 899	6 713	6 717	6 371	26 700
1983 ---	2 252	2 282	2 342	2 407	2 286	2 457	2 242	2 413	2 418	2 456	2 298	2 372	6 876	7 150	7 073	7 126	28 225
1984 ---	2 461	2 692	2 598	2 507	2 494	2 875	2 530	2 662	2 720	2 677	2 504	2 613	7 751	7 876	7 912	7 794	31 333
1985 ---	2 580	2 775	2 683	2 504	2 758	2 923	2 662	2 727	2 815	2 670	2 643	2 662	8 038	8 185	8 204	7 975	32 402
1986 ---	2 850	2 981	2 874	2 903	2 846	3 084	2 791	3 055	3 064	2 922	2 775	2 762	8 705	8 833	8 910	8 459	34 907
1987 ---	2 768	3 135	2 999	2 897	2 879	3 169	2 905	3 045	3 207	3 143	3 031	2 987	8 902	8 945	9 157	9 161	36 165
1988 ---	3 111	3 212	3 271	3 181	3 196	3 515	3 180	3 355	3 403	3 419	3 269	3 350	9 594	9 892	9 938	10 038	39 462
1989 ---	3 446	3 386	3 476	3 340	3 324	3 635	3 315	3 297	3 708	3 566	3 459	3 356	10 308	10 359	10 320	10 381	41 368
1990 ---	3 471	3 600	3 728	3 613	3 567	3 922	3 648	3 694	3 721	3 675	3 522	3 353	10 799	11 102	11 063	10 550	43 514
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 293	2 221	2 217	2 221	2 240	2 190	2 184	2 270	2 237	2 210	2 203	2 200	6 731	6 651	6 691	6 613	(X)
1983 ---	2 258	2 185	2 277	2 416	2 325	2 341	2 346	2 340	2 364	2 438	2 442	2 498	6 720	7 082	7 050	7 378	(X)
1984 ---	2 479	2 577	2 541	2 521	2 543	2 723	2 635	2 603	2 646	2 659	2 646	2 743	7 597	7 787	7 884	8 048	(X)
1985 ---	2 607	2 663	2 637	2 524	2 817	2 755	2 762	2 684	2 725	2 651	2 775	2 788	7 907	8 096	8 171	8 214	(X)
1986 ---	2 891	2 878	2 829	2 932	2 912	2 893	2 889	3 020	2 961	2 897	2 892	2 891	8 598	8 737	8 870	8 680	(X)
1987 ---	2 810	3 050	2 952	2 930	2 949	2 968	3 004	3 012	3 099	3 108	3 136	3 126	8 812	8 847	9 115	9 370	(X)
1988 ---	3 165	3 153	3 211	3 222	3 275	3 288	3 284	3 323	3 296	3 370	3 360	3 507	9 529	9 785	9 903	10 237	(X)
1989 ---	3 514	3 344	3 402	3 388	3 409	3 456	3 416	3 268	3 603	3 504	3 539	3 510	10 260	10 253	10 287	10 553	(X)
1990 ---	3 550	3 567	3 644	3 670	3 659	3 663	3 753	3 665	3 624	3 607	3 598	3 506	10 761	10 992	11 042	10 711	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.7	-3.1	-2	2	9	-2.2	-3	3.9	-1.5	-1.2	-3	-1	2.5	-1.2	6	-1.2	(X)
1983 ---	2.6	-3.2	4.2	6.1	-3.8	7	-2	-3	1.0	3.1	-2	2.3	1.6	5.4	-5	4.7	(X)
1984 ---	-8	4.0	-1.4	-8	9	7.1	-3.2	-1.2	1.7	5	-5	3.7	3.0	2.5	1.2	2.1	(X)
1985 ---	-5.0	2.1	-1.0	-4.3	11.6	-2.2	-3	-2.8	1.5	-2.7	4.7	5	-1.8	2.4	9	5	(X)
1986 ---	3.7	-4	-1.7	3.6	-7	-7	-1	4.5	-2.0	-2.2	-2	-	4.7	1.6	1.5	-2.1	(X)
1987 ---	-2.8	8.5	-3.2	-7	6	6	1.2	3	2.9	3	9	-3	1.5	-4	3.0	2.8	(X)
1988 ---	1.2	-4	1.6	3	1.6	4	-1	1.2	8	2.2	-3	4.4	1.7	2.7	1.2	3.4	(X)
1989 ---	2	-4.8	1.7	-4	6	1.4	-1.2	-4.3	10.3	-2.7	1.0	-8	2	-1	3	2.6	(X)
1990 ---	1.1	.5	2.2	.7	-3	1	2.5	-2.3	-1.1	-5	-2	-2.6	2.0	2.1	5	-3.0	(X)
CHEMICALS AND ALLIED PRODUCTS, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	14 308	15 225	16 134	15 451	15 432	15 780	13 352	14 324	15 271	13 570	13 483	13 924	45 667	46 663	42 947	40 977	176 254
1983 ---	13 934	15 116	16 064	15 298	15 991	16 898	14 473	15 680	17 537	16 098	15 901	16 562	45 114	48 187	47 690	48 561	189 552
1984 ---	16 114	17 119	18 329	17 670	17 700	18 582	15 992	17 025	17 927	16 453	16 118	16 934	51 562	53 952	50 944	49 505	205 963
1985 ---	16 488	17 278	18 513	17 782	17 444	18 307	15 511	16 571	17 772	16 460	15 917	16 747	52 279	53 533	49 854	49 124	204 790
1986 ---	16 853	17 543	17 659	17 923	17 093	17 638	15 378	16 941	18 215	16 820	16 454	17 194	52 055	52 654	50 534	50 466	205 711
1987 ---	17 529	18 557	19 188	19 198	19 464	20 144	17 841	19 086	20 625	19 303	19 045	19 566	55 274	58 806	57 552	57 914	229 546
1988 ---	19 957	20 942	22 343	22 053	21 286	22 504	20 243	21 897	22 816	21 879	21 676	22 102	63 242	65 843	64 956	65 657	259 698
1989 ---	22 459	23 136	23 686	23 971	23 244	24 264	21 619	22 661	23 602	22 187	21 805	22 353	69 281	71 479	68 082	66 345	275 187
1990 ---	22 131	23 190	24 548	24 252	23 506	24 736	22 049	24 493	25 487	24 260	23 929	23 031	69 869	72 494	72 029	71 220	285 612
Seasonally Adjusted—Millions of Dollars																	
1982 ---	14 735	14 924	14 792	15 056	14 919	14 862	14 636	14 754	14 673	14 089	14 286	14 256	44 451	44 837	44 063	42 631	(X)
1983 ---	14 469	14 828	14 833	14 946	15 529	15 903	15 813	16 055	16 855	16 820	16 890	16 955	44 130	46 378	48 723	50 665	(X)
1984 ---	16 727	16 773	17 007	17 162	17 139	17 519	17 504	17 449	17 212	17 184	17 101	17 344	50 507	51 820	52 165	51 629	(X)
1985 ---	17 008	16 932	17 185	17 037	17 006	17 285	16 911	16 894	17 015	17 055	16 809	17 148	51 125	51 328	50 820	51 012	(X)
1986 ---	17 331	17 208	16 496	17 258	16 862	16 699	16 695	17 234	17 398	17 351	17 325	17 664	51 035	50 819	51 327	52 340	(X)
1987 ---	17 949	18 227	17 988	18 513	19 255	19 158	19 318	19 363	19 775	19 892	20 069	20 190	54 164	56 926	58 456	60 151	(X)
1988 ---	20 368	20 607	20 960	21 176	21 094	21 459	21 864	22 180	22 024	22 484	22 713	22 901	61 935	63 729	66 068	68 098	(X)
1989 ---	22 341	22 781	22 317	23 071	23 105	23 160	23 486	22 887	22 716	22 761	22 780	23 183	68 039	69 336	69 089	68 724	(X)
1990 ---	22 605	22 858	23 169	23 406	23 486	23 624	23 700	24 724	24 643	24 816	24 974	23 902	68 632	70 516	73 067	73 692	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.7	1.3	-9	1.8	-9	-4	-1.5	.8	-5	-4.0	1.4	-2	-2.5	9	-1.7	-3.2	(X)
1983 ---	1.5	2.5	-	8	3.9	2.4	-6	1.5	5.0	-2	4	3.5	5.1	5.1	4.0	4.0	(X)
1984 ---	-1.3	3	1.4	9	-1	2.2	-1	-3	-1.4	-2	-5	1.4	-3	2.6	7	-1.0	(X)
1985 ---	-1.9	-4	1.5	-9	-2	1.6	-2.2	-1	1.7	2	-1.4	2.0	-1.0	4	-1.0	4	(X)
1986 ---	1.1	-7	-4.1	4.6	-2.3	-1.0	-	3.2	1.0	-3	-	2.0	-	-4	1.0	2.0	(X)
1987 ---	1.6	1.5	-1.3	2.9	4.0	-5	8	2	2.1	6	9	6	3.5	5.1	2.7	2.9	(X)
1988 ---	9	1.2	1.7	1.0	-4	1.7	1.9	1.4	7	2.1	1.0	8	3.0	2.9	3.7	3.1	(X)
1989 ---	2	-7	-2.0	3.4	1	2	1.4	-2.6	7	2	1	1.8	-1	1.9	-4	-5	(X)
1990 ---	-2.5	1.1	1.4	1.0	.3	6	3	4.3	-3	7	6	-4.3	-1	2.7	3.6	9	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
INDUSTRIAL CHEMICALS, —SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	8 145	8 974	9 228	8 640	8 453	8 864	7 579	8 110	8 554	7 801	7 790	7 944	26 347	25 957	24 243	23 535	100 082
1983 ---	7 702	8 596	9 111	8 924	9 034	9 716	8 477	9 051	9 992	9 419	9 406	9 713	25 409	27 674	27 520	28 538	109 141
1984 ---	9 436	10 328	10 830	10 483	10 061	10 582	9 344	9 822	10 000	9 605	9 496	9 450	30 594	31 126	29 166	28 551	119 431
1985 ---	9 049	9 955	10 172	9 727	9 696	9 970	8 921	9 299	9 706	9 380	9 356	9 423	29 176	29 393	27 926	28 159	114 654
1986 ---	9 048	9 763	9 650	9 669	9 318	9 490	8 675	9 256	9 573	9 245	9 160	9 335	28 461	28 477	27 504	27 740	112 182
1987 ---	9 303	10 259	10 333	10 496	10 875	11 016	10 146	10 552	10 941	10 873	10 685	10 698	29 895	32 387	31 639	32 256	126 177
1988 ---	10 640	11 625	12 142	12 045	11 960	12 556	11 849	12 197	12 567	12 630	12 574	12 698	34 407	36 561	36 613	37 902	145 483
1989 ---	12 461	13 231	13 099	13 349	13 084	13 194	12 217	12 187	12 269	12 156	11 797	11 603	38 791	39 627	36 673	35 556	150 647
1990 ---	11 929	13 053	13 331	12 997	13 011	13 360	11 993	13 403	13 843	13 638	13 232	12 492	38 313	39 368	39 239	39 362	156 282
Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 614	8 661	8 453	8 340	8 318	8 420	8 223	8 293	8 439	8 001	8 088	8 126	25 728	25 078	24 955	24 215	(X)
1983 ---	8 171	8 300	8 416	8 623	8 908	9 223	9 147	9 228	9 837	9 653	9 744	9 932	24 887	26 754	28 212	29 329	(X)
1984 ---	10 010	9 982	10 074	10 151	9 922	10 065	10 023	10 003	9 843	9 821	9 813	9 673	30 066	30 138	29 869	29 307	(X)
1985 ---	9 574	9 631	9 510	9 426	9 574	9 512	9 530	9 461	9 565	9 560	9 649	9 653	28 715	28 512	28 556	28 862	(X)
1986 ---	9 545	9 461	9 054	9 374	9 197	9 083	9 227	9 419	9 459	9 383	9 437	9 592	28 060	27 654	28 105	28 412	(X)
1987 ---	9 779	9 946	9 721	10 172	10 727	10 570	10 769	10 721	10 839	11 002	11 007	11 037	29 446	31 469	32 329	33 046	(X)
1988 ---	11 145	11 273	11 444	11 676	11 770	12 062	12 558	12 389	12 481	12 744	12 960	13 156	33 862	35 508	37 428	38 860	(X)
1989 ---	13 012	12 827	12 358	12 933	12 860	12 683	12 945	12 369	12 210	12 248	12 163	12 053	38 197	38 476	37 524	36 464	(X)
1990 ---	12 432	12 654	12 582	12 591	12 776	12 839	12 706	13 604	13 796	13 733	13 639	12 988	37 668	38 206	40 106	40 360	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.3	5	-2.4	-1.3	-3	1.2	-2.3	9	1.8	-5.2	1.1	5	-4.1	-2.5	-5	-3.0	(X)
1983 ---	6	1.6	1.4	2.5	3.3	3.5	-8	9	6.6	-1.9	9	1.9	2.8	7.5	5.4	4.0	(X)
1984 ---	8	-3	9	-8	-2.3	1.4	-4	-2	-1.6	-2	-1	-1.4	2.5	2	-9	-1.9	(X)
1985 ---	-1.0	6	-1.3	-9	1.6	-6	2	-7	1.1	-1	9	-	-2.0	-7	2	1.1	(X)
1986 ---	-1.1	-9	-4.3	3.5	-1.9	-1.2	1.6	2.1	4	-8	6	1.6	-2.8	-1.4	1.6	1.1	(X)
1987 ---	1.9	1.7	-2.3	4.6	5.5	-1.5	1.9	-4	1.1	1.5	-	3	3.6	6.9	2.7	2.2	(X)
1988 ---	1.0	1.1	1.5	2.0	8	2.5	4.1	-1.3	7	2.1	1.7	1.5	2.5	4.9	5.4	3.8	(X)
1989 ---	-1.1	-1.4	-3.7	4.7	-6	-1.4	2.1	-4.4	-1.3	3	-7	-9	-1.7	7	-2.5	-2.8	(X)
1990 ---	3.1	1.8	-6	1	1.5	5	-1.0	7.1	1.4	-5	-7	-4.8	3.3	1.4	5.0	6	(X)
DRUGS, SOAPS, AND TOILETRIES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	3 688	4 112	4 503	4 226	4 116	4 528	3 870	4 221	4 951	4 129	4 096	4 287	12 303	12 870	13 042	12 512	50 727
1983 ---	4 187	4 502	4 648	4 081	4 211	4 832	4 108	4 646	5 452	4 571	4 515	4 809	13 337	13 124	14 206	13 895	54 562
1984 ---	4 404	4 563	4 970	4 346	4 476	5 349	4 364	4 962	5 764	4 768	4 670	5 102	13 937	14 171	15 090	14 540	57 738
1985 ---	4 879	4 991	5 362	4 442	4 657	5 863	4 586	5 225	6 005	5 120	4 794	5 367	15 232	14 962	15 816	15 281	61 291
1986 ---	5 397	5 477	5 434	5 004	5 081	5 928	4 856	5 650	6 584	5 641	5 514	5 818	16 308	16 013	17 090	16 973	66 384
1987 ---	5 849	5 938	6 034	5 544	5 601	6 582	5 632	6 399	7 527	6 278	6 126	6 511	17 821	17 727	19 548	18 915	74 011
1988 ---	6 700	6 718	6 961	6 375	6 117	7 127	5 870	7 274	7 845	6 978	6 827	7 050	20 379	19 619	20 989	20 855	81 842
1989 ---	7 387	7 263	7 535	6 994	6 882	8 127	7 182	7 866	8 864	7 569	7 640	8 432	22 185	22 003	23 912	23 641	91 741
1990 ---	7 749	7 776	8 278	7 748	7 497	8 398	7 556	8 517	9 186	8 287	8 357	8 244	23 803	23 643	25 259	24 888	97 593
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 833	4 096	4 242	4 564	4 390	4 255	4 253	4 240	4 221	4 166	4 261	4 245	12 171	13 209	12 714	12 672	(X)
1983 ---	4 323	4 486	4 389	4 417	4 495	4 511	4 545	4 635	4 650	4 649	4 714	4 747	13 198	13 423	13 830	14 110	(X)
1984 ---	4 507	4 541	4 714	4 711	4 790	4 972	4 853	4 924	4 928	4 866	4 886	5 030	13 762	14 473	14 705	14 782	(X)
1985 ---	4 947	4 959	5 109	4 807	5 009	5 444	5 118	5 163	5 153	5 219	5 018	5 302	15 015	15 260	15 434	15 539	(X)
1986 ---	5 414	5 435	5 208	5 396	5 499	5 514	5 404	5 571	5 675	5 738	5 763	5 773	16 057	16 409	16 650	17 274	(X)
1987 ---	5 810	5 902	5 811	5 939	6 082	6 156	6 235	6 285	6 530	6 366	6 379	6 494	17 523	18 177	19 050	19 239	(X)
1988 ---	6 610	6 690	6 733	6 787	6 654	6 705	6 449	7 138	6 848	7 066	7 082	7 058	20 033	20 146	20 435	21 206	(X)
1989 ---	7 261	7 255	7 303	7 404	7 490	7 687	7 845	7 699	7 783	7 652	7 903	8 460	21 819	22 581	23 327	24 015	(X)
1990 ---	7 608	7 782	8 023	8 178	8 170	7 961	8 223	8 328	8 092	8 376	8 632	8 280	23 413	24 309	24 643	25 288	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-4.9	6.9	3.6	7.6	-3.8	-3.1	-	-3	-4	-1.3	2.3	-4	1.9	8.5	-3.7	-3	(X)
1983 ---	1.8	3.8	-2.2	6	1.8	4	8	2.0	3	-	1.4	7	4.2	1.7	3.0	2.0	(X)
1984 ---	-5.1	8	3.8	-1	1.7	3.8	-2.4	1.5	1	-1.3	4	2.9	-2.5	5.2	1.6	5	(X)
1985 ---	-1.7	2	3.0	-5.9	4.2	8.7	-6.0	9	-2	1.3	-3.9	5.7	1.6	1.6	1.1	7	(X)
1986 ---	2.1	4	-4.2	3.6	1.9	3	-2.0	3.1	1.9	1.1	4	2	3.3	2.2	1.5	3.7	(X)
1987 ---	6	1.6	-1.5	2.2	2.4	1.2	1.3	8	3.9	-2.5	2	1.8	1.4	3.7	4.8	1.0	(X)
1988 ---	1.8	1.2	6	8	-2.0	8	-3.8	10.7	-4.1	3.2	2	-3	4.1	6	1.4	3.8	(X)
1989 ---	2.9	-1	7	1.4	1.2	2.6	2.1	-1.9	1.1	-1.7	3.3	7.0	2.9	3.5	3.3	2.9	(X)
1990 ---	-10.1	2.3	3.1	1.9	-1	-2.6	3.3	1.3	-2.8	3.5	3.1	-4.1	-2.5	3.8	1.4	2.6	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
PETROLEUM AND COAL PRODUCTS, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	17 086	16 550	15 692	16 317	17 114	18 147	17 381	17 160	17 878	17 097	16 586	16 396	49 328	51 578	52 419	50 079	203 404
1983 ---	14 851	14 077	14 913	15 105	15 671	16 910	16 253	16 636	16 631	15 551	15 674	15 516	43 841	47 686	49 520	46 741	187 788
1984 ---	14 710	15 005	15 606	15 724	15 740	15 756	15 328	15 393	15 795	15 278	15 226	14 927	45 321	47 220	46 516	45 431	184 488
1985 ---	13 627	13 966	14 452	15 069	15 248	15 308	14 840	14 967	14 514	14 766	14 963	14 854	42 045	45 625	44 321	44 583	176 574
1986 ---	13 706	11 620	10 336	10 400	10 665	9 932	9 373	9 447	9 578	9 054	9 112	9 382	35 662	30 997	28 398	27 548	122 605
1987 ---	9 355	9 544	9 951	10 409	10 655	11 291	11 930	11 616	11 779	11 571	11 276	11 037	28 850	32 355	35 325	33 884	130 414
1988 ---	10 257	10 047	10 606	10 891	11 160	11 651	11 500	11 713	11 004	10 860	10 853	10 673	30 910	33 702	34 217	32 586	131 415
1989 ---	10 590	10 726	11 354	12 618	12 712	13 077	12 384	12 350	12 625	12 777	12 357	12 738	32 672	38 407	37 359	37 872	146 310
1990 ---	13 268	12 571	12 442	12 687	12 995	13 039	13 035	16 683	18 752	19 604	18 201	16 060	38 281	38 721	46 470	53 885	179 357
Seasonally Adjusted—Millions of Dollars																	
1982 ---	18 054	17 503	16 385	16 734	17 116	17 258	17 142	16 795	17 051	16 863	16 393	16 116	51 942	51 108	50 988	49 372	(X)
1983 ---	15 710	14 923	15 546	15 450	15 645	16 175	16 059	16 234	15 852	15 326	15 500	15 347	46 179	47 270	48 145	46 173	(X)
1984 ---	15 553	15 954	16 212	16 030	15 700	15 201	15 141	15 013	15 064	15 041	15 052	14 787	47 719	46 931	45 218	44 880	(X)
1985 ---	14 358	14 824	14 981	15 312	15 199	14 852	14 650	14 536	13 875	14 521	14 779	14 683	44 163	45 363	43 061	43 983	(X)
1986 ---	14 430	12 398	10 745	10 540	10 628	9 581	9 202	9 068	9 130	8 873	9 003	9 345	37 573	30 749	27 400	27 221	(X)
1987 ---	9 890	10 272	10 364	10 518	10 614	10 916	11 751	11 239	11 390	11 375	11 125	10 992	30 526	32 048	34 380	33 492	(X)
1988 ---	10 773	10 716	11 066	10 985	11 113	11 288	11 347	11 270	10 642	10 650	10 710	10 841	32 555	33 886	33 259	32 201	(X)
1989 ---	11 150	11 399	11 844	12 695	12 646	12 774	12 241	11 970	12 182	12 522	12 194	12 634	34 393	38 117	36 393	37 350	(X)
1990 ---	13 907	13 330	12 972	12 750	12 920	12 811	12 878	16 251	16 011	19 240	17 948	15 874	40 209	38 481	47 140	53 062	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.9	-3.1	-6.4	2.1	2.3	.8	-7	-2.0	1.5	-1.1	-2.8	-1.7	-2.6	-1.6	-2	-3.2	(X)
1983 ---	-2.5	-5.0	4.2	-6	1.3	3.4	-7	1.1	-2.4	-3.3	1.1	-1.0	-6.5	2.4	1.9	-4.1	(X)
1984 ---	1.3	2.6	1.6	-1.1	-2.1	-3.2	-4	-8	3	-2	1	-1.8	3.3	-1.7	-3.7	-7	(X)
1985 ---	-2.9	3.2	1.1	2.2	-7	-2.3	-14	-8	-4.5	4.7	1.8	-6	-1.6	2.7	-5.1	2.1	(X)
1986 ---	-1.7	-14.1	-13.3	-1.9	9	-9.9	-4.0	-1.5	7	-2.6	1.5	3.8	-14.6	-18.2	-10.9	-7	(X)
1987 ---	5.8	3.9	9	1.5	9	2.8	7.6	-4.4	1.3	-1	-2.2	-1.2	12.1	5.0	7.3	-2.6	(X)
1988 ---	-2.0	-5	3.3	-7	1.2	1.6	5	-7	-5.6	1	6	1.2	-2.8	2.6	-4	-3.2	(X)
1989 ---	2.9	2.2	3.9	7.2	-4	1.0	-4.2	-2.2	1.8	2.8	-2.6	3.6	6.8	10.8	-4.5	2.6	(X)
1990 ---	10.1	-4.1	-2.7	-1.7	1.3	-8	5	26.2	10.8	6.8	-6.7	-11.6	7.7	-4.3	22.5	12.6	(X)
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	4 495	4 894	4 839	4 814	4 762	5 184	4 592	4 942	5 090	5 027	4 486	4 182	14 228	14 760	14 624	13 695	57 307
1983 ---	4 531	4 818	4 805	5 060	5 064	5 545	5 013	5 480	5 727	5 894	5 617	5 316	14 154	15 669	16 220	16 827	62 870
1984 ---	5 310	5 865	6 007	6 134	5 999	6 496	5 873	6 301	6 494	6 429	6 270	5 760	17 182	18 629	18 668	18 459	72 938
1985 ---	5 839	6 425	6 353	6 393	6 405	6 571	6 094	6 174	6 526	6 669	6 423	5 718	18 617	19 369	18 794	18 810	75 590
1986 ---	5 956	6 516	6 461	6 700	6 587	7 162	5 863	6 401	7 005	7 008	6 544	6 174	18 935	20 449	19 269	19 726	78 379
1987 ---	6 394	7 426	7 585	7 327	7 303	7 803	6 423	6 985	7 546	7 765	7 440	6 637	21 405	22 433	20 954	21 842	86 634
1988 ---	6 920	7 763	7 926	7 923	8 049	8 411	7 137	7 962	8 287	8 492	7 840	7 490	22 609	24 383	23 386	23 622	94 200
1989 ---	7 810	8 304	8 121	8 357	8 427	8 748	7 448	7 728	7 865	7 688	7 040	6 821	24 235	25 532	23 041	21 549	94 357
1990 ---	6 751	7 494	8 146	7 767	7 616	8 305	7 426	7 867	8 051	8 335	7 215	6 684	22 391	23 688	23 344	22 234	91 657
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 776	4 772	4 743	4 719	4 767	4 880	4 877	4 824	4 858	4 752	4 601	4 682	14 291	14 366	14 559	14 035	(X)
1983 ---	4 833	4 737	4 739	4 957	5 060	5 182	5 286	5 385	5 459	5 597	5 739	5 927	14 309	15 199	16 130	17 263	(X)
1984 ---	5 692	5 778	5 939	5 997	5 963	6 032	6 183	6 265	6 206	6 129	6 393	6 397	17 409	17 992	18 654	18 919	(X)
1985 ---	6 282	6 305	6 257	6 235	6 330	6 086	6 450	6 192	6 256	6 372	6 553	6 332	18 844	18 651	18 898	19 257	(X)
1986 ---	6 429	6 371	6 335	6 518	6 461	6 616	6 247	6 462	6 743	6 702	6 708	6 825	19 135	19 595	19 452	20 235	(X)
1987 ---	6 908	7 248	7 395	7 120	7 110	7 187	6 871	7 067	7 278	7 433	7 705	7 336	21 551	21 417	21 216	22 474	(X)
1988 ---	7 470	7 578	7 696	7 694	7 788	7 734	7 663	8 039	8 013	8 122	8 182	8 278	22 744	23 216	23 715	24 582	(X)
1989 ---	8 426	8 118	7 865	8 106	8 120	8 043	8 011	7 761	7 617	7 352	7 387	7 539	24 409	24 269	23 389	22 278	(X)
1990 ---	7 281	7 349	7 877	7 537	7 324	7 643	7 990	7 880	7 809	7 976	7 586	7 384	22 507	22 504	23 679	22 948	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	6.3	-1	-6	-5	1.0	2.4	-1	-1.1	7	-2.2	-3.2	1.8	4.4	5	1.3	-3.6	(X)
1983 ---	3.2	-2.0	-	4.6	2.1	2.4	2.0	1.9	1.4	2.5	2.5	3.3	2.0	6.2	6.1	7.0	(X)
1984 ---	-4.0	1.5	2.8	1.0	-6	1.2	2.5	1.3	-9	-1.2	4.3	1	8	3.3	3.7	1.4	(X)
1985 ---	-1.8	4	-8	-4	1.5	-3.9	6.0	-4.0	1.0	1.9	2.8	-3.4	-4	-1.0	1.3	1.9	(X)
1986 ---	1.5	-9	-6	2.9	-9	2.4	-5.6	3.4	4.3	-6	4	1.7	-6	2.4	-7	4.0	(X)
1987 ---	1.2	4.9	2.0	-3.7	-1	1.1	-4.4	2.9	3.0	2.1	3.7	-4.8	6.5	-6	-9	5.9	(X)
1988 ---	1.6	1.4	1.6	-	1.2	-7	-9	4.9	-3	1.4	7	1.2	1.2	2.1	2.1	3.7	(X)
1989 ---	1.8	-3.7	-3.1	3.1	2	-9	-4	-3.1	-1.9	-3.5	5	2.1	-7	-6	-3.6	-4.8	(X)
1990 ---	-3.4	9	7.2	-4.3	-2.8	4.4	4.5	-1.4	-9	2.1	-4.9	-2.7	1.0	-	5.2	-3.1	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
ALL OTHER NONDURABLE GOODS INDUSTRIES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	10 919	12 856	12 649	11 789	11 857	12 125	12 050	13 293	13 348	13 501	13 118	11 399	36 424	35 771	38 691	38 018	148 904
1983	11 741	12 931	12 571	12 407	12 444	13 049	13 037	14 500	14 548	15 239	15 034	12 951	37 243	37 900	42 085	43 224	160 452
1984	13 144	14 450	14 413	13 923	13 946	14 501	14 308	15 631	15 973	15 903	15 486	13 923	42 007	42 370	45 912	45 312	175 601
1985	13 594	15 187	15 582	14 435	14 692	15 247	14 708	16 779	16 956	16 953	16 705	14 863	44 363	44 374	48 443	48 521	185 701
1986	14 532	16 214	16 457	15 128	15 184	16 758	15 103	17 328	18 036	17 807	17 736	15 642	47 203	47 070	50 467	51 185	195 925
1987	15 281	17 286	17 458	16 417	16 426	17 607	16 850	18 539	19 165	19 323	18 561	16 609	50 025	50 450	54 554	54 493	209 522
1988	16 348	17 941	18 030	17 367	16 915	18 453	17 641	19 207	19 941	20 068	19 036	17 654	52 319	52 735	56 789	56 758	218 601
1989	16 988	19 043	18 482	18 527	17 705	18 994	18 126	20 216	20 981	20 946	20 153	17 662	54 513	55 226	59 323	58 761	227 823
1990	17 524	19 296	19 799	19 381	18 823	20 149	19 189	21 020	21 728	21 868	21 172	18 693	56 619	58 353	61 937	61 733	238 642
Seasonally Adjusted—Millions of Dollars																	
1982	11 930	12 697	12 660	12 298	12 417	12 274	12 426	12 475	12 378	12 369	12 467	12 433	37 287	36 989	37 279	37 269	(X)
1983	12 814	12 760	12 569	12 972	13 043	13 196	13 450	13 622	13 452	14 001	14 275	14 145	38 143	39 211	40 524	42 421	(X)
1984	14 394	14 245	14 351	14 594	14 666	14 623	14 826	14 741	14 749	14 635	14 688	15 089	42 990	43 883	44 316	44 412	(X)
1985	14 855	15 031	15 502	15 144	15 465	15 319	15 301	15 820	15 617	15 585	15 851	16 015	45 388	45 928	46 738	47 451	(X)
1986	15 943	16 054	16 351	15 880	16 068	16 768	15 758	16 440	16 569	16 374	16 845	16 734	48 348	48 716	48 767	49 953	(X)
1987	16 789	17 182	17 333	17 172	17 420	17 582	17 619	17 575	17 567	17 731	17 660	17 754	51 304	52 174	52 761	53 145	(X)
1988	17 954	17 857	17 921	18 089	17 966	18 374	18 461	18 247	18 295	18 389	18 118	18 936	53 732	54 429	55 003	55 443	(X)
1989	18 689	19 036	18 388	19 246	18 791	18 897	18 962	19 231	19 258	19 205	19 192	18 817	56 113	56 934	57 451	57 214	(X)
1990	19 260	19 343	19 715	20 005	19 926	20 061	20 096	20 049	19 993	20 083	20 168	19 871	58 318	59 992	60 138	60 122	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	3.3	6.4	-3	-2.9	1.0	-1.2	1.2	4	-8	-1	8	-3	6.6	-8	8	-	(X)
1983	3.1	-4	-1.5	3.2	5	1.2	1.9	1.3	-1.2	4.1	2.0	-9	2.3	2.8	3.3	4.7	(X)
1984	1.8	-1.0	7	1.7	5	-3	1.4	-6	1	-8	4	2.7	1.3	2.1	1.0	2	(X)
1985	-1.6	1.2	3.1	-2.3	2.1	-9	-1	3.4	-1.3	-2	1.7	1.0	2.2	1.2	1.8	1.5	(X)
1986	-4	7	1.9	-2.9	1.2	4.4	-6.0	4.3	8	-1.2	2.9	-7	1.9	8	1	2.4	(X)
1987	3	2.3	9	-9	1.4	9	2	-2	-	9	-4	5	2.7	1.7	1.1	7	(X)
1988	1.1	-5	4	9	-7	2.3	5	-1.2	3	5	-1.5	4.5	1.1	1.3	1.1	8	(X)
1989	-1.3	1.9	-3.4	4.7	-2.4	6	3	1.4	1	-3	-1	-2.0	1.2	1.5	9	-4	(X)
1990	2.4	4	1.9	1.5	-4	7	2	-2	-3	5	4	-1.5	1.9	2.9	2	-	(X)
AUTOMOTIVE EQUIPMENT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	3 950	4 536	5 234	5 580	5 653	5 948	4 623	4 620	5 155	5 110	4 461	4 070	13 720	17 181	14 398	13 641	58 940
1983	5 025	5 862	6 169	6 307	6 530	7 045	5 445	5 914	7 030	7 556	7 300	6 611	17 056	19 882	18 389	21 467	76 794
1984	7 523	8 107	8 518	8 180	7 939	8 450	6 470	7 181	7 423	8 254	8 128	6 785	24 148	24 569	21 074	23 167	92 958
1985	7 891	8 337	8 770	8 458	8 689	8 497	6 363	7 309	8 730	8 884	8 532	6 852	24 998	25 644	22 402	24 268	97 312
1986	8 613	8 824	8 583	9 321	8 758	9 091	6 717	7 400	8 683	9 264	7 953	7 934	26 020	27 170	22 800	25 151	101 141
1987	8 486	10 106	9 992	9 459	9 440	9 303	6 315	7 263	8 769	9 704	8 934	7 255	28 584	28 202	22 347	25 893	105 026
1988	8 385	9 470	9 872	9 845	10 202	10 149	6 845	8 434	9 482	10 791	9 951	8 952	27 727	30 196	24 761	29 694	112 378
1989	10 010	10 720	10 259	10 845	10 418	9 449	5 959	9 121	9 513	9 723	9 524	7 753	30 989	30 712	24 593	27 000	113 294
1990	6 212	9 273	9 998	9 337	10 297	10 352	6 598	9 030	9 099	10 221	7 841	5 607	25 483	29 986	24 727	23 669	103 865
Seasonally Adjusted—Millions of Dollars																	
1982	4 195	4 489	4 742	5 101	5 220	5 384	5 584	5 295	5 071	4 746	4 441	4 845	13 426	15 705	15 950	14 032	(X)
1983	5 299	5 747	5 600	5 753	6 023	6 364	6 628	6 705	6 937	7 107	7 221	7 874	16 646	18 140	20 270	22 202	(X)
1984	7 878	7 797	7 753	7 488	7 319	7 666	7 992	8 135	7 346	7 781	8 039	8 058	23 428	22 473	23 473	23 878	(X)
1985	8 207	7 864	7 992	7 755	8 023	7 781	7 988	8 287	8 647	8 329	8 415	8 082	24 063	23 559	24 922	24 826	(X)
1986	8 934	8 216	7 835	8 567	8 094	8 404	8 632	8 401	8 580	8 585	7 844	9 295	24 985	25 065	25 613	25 724	(X)
1987	8 814	9 371	9 125	8 727	8 724	8 632	8 231	8 172	8 639	8 918	8 813	8 439	27 310	26 083	25 042	26 170	(X)
1988	8 759	8 790	9 031	9 095	9 394	9 427	9 122	9 440	9 300	9 844	9 817	10 352	26 580	27 916	27 862	30 013	(X)
1989	10 513	9 941	9 404	10 036	9 559	8 760	8 034	10 126	9 318	8 837	9 430	8 928	29 858	28 355	27 478	27 195	(X)
1990	6 557	8 637	9 176	8 665	9 431	9 622	9 056	9 963	8 900	9 282	7 753	6 426	24 370	27 718	27 919	23 461	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-8.6	7.0	5.6	7.6	2.3	3.1	3.7	-5.2	-4.2	-6.4	-6.4	9.1	-5.8	17.0	1.6	-12.0	(X)
1983	9.4	8.5	-2.6	2.7	4.7	5.7	4.1	1.2	3.5	2.5	1.6	9.0	18.6	9.0	11.7	9.5	(X)
1984	1	-1.0	-6	-3.4	-2.3	4.7	4.3	1.8	-9.7	5.9	3.3	2	5.5	-4.1	4.4	1.7	(X)
1985	1.8	-4.2	1.6	-3.0	3.5	-3.0	2.7	3.7	4.3	-3.7	1.0	-4.0	8	-2.1	5.8	-4	(X)
1986	10.5	-8.0	-4.6	9.3	-5.5	3.8	2.7	-2.7	2.1	1	-8.6	18.5	6	3	2.2	4	(X)
1987	-5.2	6.3	-2.6	-4.4	-	-1.1	-4.6	-7	5.7	3.2	-1.2	-4.2	6.2	-4.5	-4.0	4.5	(X)
1988	3.8	4	2.7	7	3.3	4	-3.2	3.5	-1.5	5.8	-3	5.4	1.6	5.0	-2	7.7	(X)
1989	1.6	-5.4	-5.4	6.7	-4.8	-8.4	-8.3	26.0	-8.0	-5.2	6.7	-5.3	5	-5.0	-3.1	-1.0	(X)
1990	-26.6	31.7	6.2	-5.6	8.8	2.0	-5.9	10.0	-10.7	4.3	-16.5	-17.1	-10.4	13.7	7	-16.0	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
HOME GOODS AND APPAREL—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	9 264	11 595	11 973	10 608	10 532	11 463	10 459	12 252	12 432	12 237	11 107	8 846	32 832	32 603	35 143	32 190	132 768
1983 ---	9 582	11 456	11 489	11 021	10 952	12 144	11 200	13 279	13 659	13 741	13 050	10 657	32 527	34 117	38 138	37 448	142 230
1984 ---	11 109	13 112	13 393	11 992	12 297	13 302	11 929	13 823	13 950	13 851	12 783	10 648	37 614	37 591	39 702	37 282	152 189
1985 ---	10 591	12 784	13 241	12 029	12 067	13 107	11 792	14 383	14 463	14 453	13 673	10 958	36 616	37 203	40 638	39 084	153 541
1986 ---	11 320	13 516	13 752	12 531	12 310	14 238	12 393	14 590	15 324	14 519	13 787	11 113	38 588	39 079	42 307	39 419	159 393
1987 ---	11 430	13 786	14 158	12 810	12 757	14 356	12 649	14 899	15 499	15 011	13 936	11 259	39 374	39 923	43 047	40 206	162 550
1988 ---	11 788	14 090	14 252	13 074	12 944	14 876	13 187	15 043	15 941	15 633	14 512	12 486	40 130	40 894	44 171	42 631	167 826
1989 ---	12 663	14 771	14 920	13 980	13 396	15 150	13 234	15 693	16 213	16 185	14 777	12 154	42 354	42 526	45 140	43 116	173 136
1990 ---	12 231	14 559	14 826	13 115	13 527	15 197	13 280	15 208	15 747	16 018	14 799	12 364	41 616	41 839	44 235	43 181	170 871
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 738	11 404	11 508	11 089	11 131	11 073	11 199	11 123	11 128	10 954	10 759	10 629	33 650	33 293	33 450	32 342	(X)
1983 ---	11 089	11 220	11 012	11 537	11 554	11 697	11 952	12 060	12 212	12 364	12 659	12 806	33 321	34 788	36 224	37 829	(X)
1984 ---	12 878	12 831	12 818	12 559	12 987	12 772	12 761	12 594	12 428	12 511	12 420	12 752	38 527	38 318	37 783	37 683	(X)
1985 ---	12 294	12 486	12 643	12 644	12 780	12 551	12 635	13 116	12 839	13 058	13 269	13 063	37 423	37 975	38 590	39 390	(X)
1986 ---	13 110	13 195	13 146	13 220	13 116	13 598	13 306	13 397	13 546	13 112	13 375	13 191	39 451	39 934	40 249	39 678	(X)
1987 ---	13 282	13 459	13 503	13 504	13 602	13 673	13 563	13 685	13 740	13 548	13 539	13 337	40 244	40 779	40 988	40 424	(X)
1988 ---	13 708	13 743	13 617	13 781	13 814	14 128	14 140	13 879	14 145	14 060	14 080	14 744	41 068	41 723	42 164	42 884	(X)
1989 ---	14 719	14 457	14 280	14 808	14 286	14 330	14 181	14 527	14 426	14 532	14 324	14 220	43 456	43 424	43 134	43 076	(X)
1990 ---	14 198	14 277	14 198	13 863	14 409	14 366	14 240	14 114	14 033	14 353	14 320	14 444	42 673	42 638	42 387	43 117	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.8	6.2	.9	-3.6	4	-.5	1.1	-.7	-	-1.6	-1.8	-1.2	3.9	-1.1	.5	-3.3	(X)
1983 ---	4.3	1.2	-1.9	4.8	1	1.2	2.2	-.9	1.3	1.2	2.4	1.2	3.0	4.4	4.1	4.4	(X)
1984 ---	6	-4	-1	-2.0	3.4	-1.7	-1	-1.3	-1.3	-.7	-7	2.7	1.8	-5	-1.4	-3	(X)
1985 ---	-3.6	1.6	1.3	-	1.1	-1.8	7	3.8	-2.1	1.7	1.6	-1.6	-7	1.5	1.6	2.1	(X)
1986 ---	4	6	-4	6	-8	3.7	-2.1	7	1.1	-3.2	2.0	-1.4	2	1.2	8	-1.4	(X)
1987 ---	7	1.3	3	-	7	5	-8	9	4	-1.4	-1	-1.5	1.4	1.3	5	-1.4	(X)
1988 ---	2.8	3	-9	1.2	2	2.3	1	-1.8	1.9	-6	1	4.7	1.6	1.6	1.1	1.7	(X)
1989 ---	-2	-1.8	-1.2	3.7	-3.5	3	-1.0	2.4	-.7	7	-1.4	-.7	1.3	-1	-.7	-1	(X)
1990 ---	-2	6	-6	-2.4	3.9	-3	-9	-.9	-6	2.3	-2	9	-9	-1	-6	1.7	(X)
CONSUMER STAPLES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	37 831	40 275	40 354	39 287	40 463	42 829	39 044	40 355	43 758	41 217	40 478	40 254	118 460	122 579	123 157	121 949	486 145
1983 ---	37 221	39 279	41 005	38 996	40 434	43 067	39 292	41 822	44 381	41 856	41 491	42 325	117 505	122 497	125 495	125 672	491 169
1984 ---	38 967	41 027	43 489	41 888	42 197	44 408	41 103	42 652	45 302	43 491	42 495	43 693	123 483	128 493	129 057	129 625	510 658
1985 ---	40 010	42 667	44 625	41 811	43 422	45 300	41 279	42 799	45 235	43 036	43 585	44 234	127 302	130 533	129 313	130 855	518 003
1986 ---	40 980	41 730	41 921	39 994	41 410	43 607	39 232	41 782	45 007	42 444	42 224	42 964	124 631	125 011	126 021	127 632	503 295
1987 ---	39 455	42 488	43 883	42 347	43 626	46 501	43 250	44 722	48 652	45 773	45 386	45 708	125 826	132 474	136 624	136 867	531 791
1988 ---	42 625	44 372	46 807	45 091	46 469	49 402	45 247	48 061	51 044	48 453	48 407	48 853	133 804	140 962	144 352	145 713	564 831
1989 ---	46 369	48 815	51 349	50 227	51 433	53 863	48 721	52 013	55 433	53 283	52 572	53 469	146 533	155 523	156 167	159 324	617 547
1990 ---	49 802	52 356	55 263	53 019	54 638	56 614	52 176	57 800	61 931	60 618	59 630	56 711	157 421	164 271	171 907	176 959	670 558
Seasonally Adjusted—Millions of Dollars																	
1982 ---	40 637	40 964	39 832	40 669	40 842	40 916	40 683	40 164	41 008	40 474	40 418	39 802	121 433	122 427	121 855	120 694	(X)
1983 ---	39 959	39 888	40 375	40 311	40 744	41 167	40 917	41 680	41 524	41 188	41 507	41 785	120 222	122 222	124 121	124 480	(X)
1984 ---	41 840	41 688	42 772	43 242	42 470	42 508	42 893	42 599	42 338	42 811	42 523	43 095	126 300	128 220	127 830	128 429	(X)
1985 ---	42 991	43 337	43 832	43 080	43 666	43 359	43 028	42 741	42 292	42 383	43 585	43 709	130 160	130 105	128 061	129 677	(X)
1986 ---	43 859	42 434	41 168	41 194	41 649	41 616	41 069	41 747	41 991	41 745	42 230	42 600	127 461	124 459	124 807	126 575	(X)
1987 ---	42 223	43 277	43 157	43 504	43 817	44 365	45 251	44 599	45 479	45 031	45 285	45 400	128 657	131 686	135 329	135 716	(X)
1988 ---	45 623	45 263	46 042	46 248	46 566	47 184	47 421	47 873	47 749	47 658	48 261	48 638	136 928	139 998	143 043	144 557	(X)
1989 ---	49 693	49 874	50 502	51 430	51 503	51 495	51 071	51 794	51 877	52 371	52 382	53 308	150 069	154 428	154 742	158 061	(X)
1990 ---	53 394	53 547	54 368	54 284	54 671	54 211	54 807	57 544	58 092	59 575	59 319	56 705	161 309	163 166	170 443	175 599	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.5	8	-2.8	2.1	4	2	-6	-1.3	2.1	-1.3	-1	-1.5	2.7	8	-5	-1.0	(X)
1983 ---	4	-2	1.2	-2	1.1	10	-6	1.9	-4	-8	8	7	-4	1.7	1.6	3	(X)
1984 ---	1	-4	2.6	1.1	-1.8	1	9	-7	-6	1.1	-7	1.3	1.5	1.5	-3	5	(X)
1985 ---	-2	8	1.1	-1.7	1.4	-7	-8	-7	-1.1	2	2.8	3	1.3	-	-1.6	1.3	(X)
1986 ---	3	-3.2	-3.0	1	1.1	-1	-1.3	1.7	6	-6	1.2	9	-1.7	-2.4	3	1.4	(X)
1987 ---	-9	2.5	-3	8	7	1.3	2.0	-1.4	2.0	-1.0	6	3	1.6	2.4	2.8	3	(X)
1988 ---	5	-8	1.7	4	7	1.3	5	10	-2	-2	1.3	8	9	2.2	2.2	1.1	(X)
1989 ---	2.2	4	1.3	1.8	1	-	-8	1.4	2	10	-	1.8	3.8	2.9	2	2.1	(X)
1990 ---	2	3	1.5	-2	7	-8	1.1	5.0	10	2.6	-4	-4.4	2.1	1.2	4.5	3.0	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb	March	April	May	June	July	Aug	Sept	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MACHINERY AND EQUIPMENT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	22 604	26 547	28 660	26 006	26 652	28 168	23 010	23 434	26 158	24 515	23 729	24 958	77 811	80 826	72 602	73 202	304 441
1983 ---	21 499	23 889	26 640	24 853	24 810	28 649	22 745	23 992	27 960	26 960	27 475	30 081	72 028	78 312	74 697	84 516	309 553
1984 ---	24 761	28 170	31 145	28 670	29 721	32 657	25 994	27 831	31 400	30 639	30 777	32 825	84 076	91 048	85 225	94 241	354 590
1985 ---	26 289	30 331	34 167	30 579	31 322	34 079	26 992	29 128	33 062	31 562	31 287	33 779	90 787	95 980	89 182	96 628	372 577
1986 ---	27 584	30 930	33 557	31 366	30 829	34 546	27 059	28 601	32 691	31 568	30 244	34 255	92 071	96 741	88 351	96 067	373 230
1987 ---	26 863	31 561	34 578	31 367	31 095	35 288	28 108	29 039	35 201	33 065	32 231	36 150	93 002	97 750	92 348	101 446	384 546
1988 ---	28 796	33 313	37 761	34 416	35 335	39 406	30 833	33 116	38 825	36 616	35 687	40 186	99 870	109 157	102 774	112 489	424 290
1989 ---	32 562	37 138	41 066	38 086	38 351	42 658	32 062	37 032	42 051	37 778	37 404	41 925	110 766	119 095	111 145	117 107	458 113
1990 ---	31 784	39 188	43 081	38 310	39 261	45 010	34 068	38 075	42 981	40 638	38 068	42 284	114 053	122 581	115 124	120 990	472 748
Seasonally Adjusted—Millions of Dollars																	
1982 ---	25 685	26 671	26 461	25 856	26 388	25 732	25 745	25 120	24 898	24 299	23 862	23 646	78 817	77 976	75 763	71 807	(X)
1983 ---	24 642	24 143	24 462	24 810	24 501	26 041	25 639	25 815	26 553	26 657	27 537	28 701	73 247	75 352	78 007	82 895	(X)
1984 ---	28 253	28 417	28 573	28 612	29 391	29 616	29 485	30 028	29 657	30 439	30 867	30 730	85 243	87 619	89 170	92 036	(X)
1985 ---	30 223	30 648	31 235	30 625	31 079	30 826	30 655	31 483	31 078	31 438	31 502	31 398	92 106	92 530	93 216	94 338	(X)
1986 ---	31 793	31 226	30 678	31 395	30 640	31 147	30 834	30 913	30 576	31 465	30 580	31 875	93 697	93 182	92 323	93 920	(X)
1987 ---	31 036	31 796	31 600	31 494	30 971	31 717	32 171	31 251	32 806	32 943	32 731	33 440	94 432	94 182	96 228	99 114	(X)
1988 ---	33 448	33 678	34 453	34 603	35 230	35 297	35 304	35 610	36 142	36 574	36 457	37 241	101 579	105 130	107 056	110 272	(X)
1989 ---	37 661	37 548	37 459	38 241	38 235	38 108	36 563	39 690	39 142	37 856	38 439	38 440	112 668	114 584	115 395	114 735	(X)
1990 ---	37 120	39 877	39 284	38 512	39 120	40 268	39 003	40 690	39 991	40 874	39 250	38 310	116 281	117 900	119 684	118 434	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.3	3.8	-8	-2.3	2.1	-2.5	1	-2.4	-9	-2.4	-1.8	-9	-1	-1.1	-2.8	-5.2	(X)
1983 ---	4.2	-2.0	1.3	1.4	-1.2	6.3	-1.5	7	2.9	4	3.3	4.2	2.0	2.9	3.5	6.3	(X)
1984 ---	-1.6	6	5	1	2.7	8	-4	18	-1.2	2.6	1.4	-4	2.8	2.8	1.8	3.2	(X)
1985 ---	-1.6	1.4	1.9	-2.0	1.5	-8	-6	2.7	-1.3	1.2	2	-3	1	5	7	1.2	(X)
1986 ---	1.3	-1.8	-1.8	2.3	-2.4	1.7	-1.0	3	-1.1	2.9	-2.8	4.2	-7	-5	-9	1.7	(X)
1987 ---	-2.6	2.4	-6	-3	-1.7	2.4	1.4	-2.9	5.0	4	-6	2.2	5	-3	2.2	3.0	(X)
1988 ---	-	.7	2.3	4	1.8	2	-	9	1.5	1.2	-3	2.2	2.5	3.5	1.8	3.0	(X)
1989 ---	1.1	-3	-2	2.1	-	-3	-4.1	8.6	-1.4	-3.3	1.5	-	2.2	1.7	7	-6	(X)
1990 ---	-3.4	7.4	-1.5	-2.0	1.6	2.9	-3.1	4.3	-1.7	2.2	-4.0	-2.4	1.3	1.4	1.5	-1.0	(X)
BUSINESS SUPPLIES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	13 074	13 574	13 596	13 501	13 836	13 898	12 725	13 269	13 982	13 609	13 408	13 174	40 244	41 235	39 976	40 191	161 646
1983 ---	12 780	13 067	13 524	13 419	13 935	14 307	13 056	14 096	14 761	14 839	14 514	14 601	39 371	41 661	41 913	43 954	166 899
1984 ---	14 002	14 727	15 132	15 074	15 373	15 616	14 442	15 258	15 875	15 812	15 221	15 286	43 861	46 063	45 575	46 319	181 818
1985 ---	14 724	15 175	16 164	15 808	15 975	15 826	14 393	15 345	16 174	15 931	15 824	15 785	46 063	47 609	45 912	47 540	187 124
1986 ---	15 140	15 238	15 320	15 336	15 059	15 359	13 599	15 104	15 871	15 845	15 341	15 436	45 698	45 754	44 574	46 622	182 648
1987 ---	14 798	15 749	16 377	16 247	16 312	16 876	15 538	16 425	17 348	17 598	17 030	16 878	46 924	49 435	49 311	51 506	197 176
1988 ---	16 357	16 808	17 700	17 664	17 266	17 902	16 597	17 656	18 460	18 679	18 162	17 822	50 865	52 832	52 713	54 663	211 073
1989 ---	17 143	18 195	18 333	18 879	18 378	18 885	17 175	18 470	19 367	19 454	18 848	18 028	53 671	56 142	55 012	56 330	221 155
1990 ---	18 020	18 807	19 690	19 901	19 169	19 919	18 209	20 310	21 684	21 853	20 967	19 469	56 517	58 989	60 203	62 289	237 998
Seasonally Adjusted—Millions of Dollars																	
1982 ---	13 594	13 675	13 393	13 467	13 586	13 507	13 536	13 378	13 474	13 204	13 452	13 209	40 662	40 560	40 388	39 865	(X)
1983 ---	13 371	13 159	13 342	13 439	13 722	13 959	13 898	14 179	14 231	14 458	14 603	14 635	39 872	41 120	42 308	43 696	(X)
1984 ---	14 673	14 831	14 894	15 043	15 122	15 266	15 478	15 376	15 275	15 361	15 262	15 301	44 398	45 431	46 129	45 924	(X)
1985 ---	15 397	15 306	15 846	15 643	15 827	15 502	15 405	15 425	15 527	15 369	15 760	15 777	46 549	46 972	46 357	46 906	(X)
1986 ---	15 867	15 383	15 019	15 192	15 042	15 052	14 648	15 194	15 199	15 188	15 209	15 479	46 269	45 286	45 041	45 876	(X)
1987 ---	15 536	15 918	16 029	16 083	16 354	16 550	16 726	16 509	16 659	16 898	16 902	16 992	47 483	48 987	49 894	50 792	(X)
1988 ---	17 177	17 008	17 276	17 376	17 351	17 538	17 917	17 767	17 749	17 916	17 954	18 038	51 461	52 265	53 433	53 908	(X)
1989 ---	18 031	18 409	17 918	18 564	18 492	18 544	18 498	18 578	18 577	18 650	18 570	18 271	54 358	55 600	55 653	55 491	(X)
1990 ---	18 993	19 040	19 254	19 588	19 353	19 586	19 600	20 423	20 803	20 953	20 651	19 730	57 287	58 527	60 826	61 334	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.0	6	-2.1	6	.9	-6	2	-1.2	7	-2.0	1.9	-1.8	.7	-3	-4	-1.3	(X)
1983 ---	1.2	-1.6	1.4	7	2.1	1.7	-4	2.0	4	1.6	1.0	2	-	3.1	2.9	3.3	(X)
1984 ---	3	1.1	4	10	1.6	10	14	-7	-7	6	-6	3	1.6	2.3	1.5	-4	(X)
1985 ---	6	-6	3.5	-1.3	1.2	-2.1	-6	1	7	-1.0	2.5	1	1.4	9	-1.3	1.2	(X)
1986 ---	6	-3.1	-2.4	1.2	-1.0	1	-2.7	3.7	-	-1	1	1.8	-1.4	-2.1	-5	1.9	(X)
1987 ---	4	2.5	7	3	1.7	1.2	1.1	-1.3	9	14	-	5	3.5	3.2	1.9	1.8	(X)
1988 ---	1.1	-1.0	1.6	6	-1	1.1	2.2	-8	-1	9	2	5	1.3	1.6	2.2	9	(X)
1989 ---	-	2.1	-2.7	3.6	-4	3	-2	4	-	4	-	-4	-1.6	8	2.3	1	(X)
1990 ---	4.0	2	1.1	1.7	-1.2	1.2	1	4.2	1.9	7	-1.4	-4.5	3.2	2.2	3.9	8	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
CONSTRUCTION MATERIALS AND SUPPLIES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	8 383	9 240	9 932	9 767	10 210	10 469	9 634	10 212	10 174	10 050	9 228	8 478	27 555	30 446	30 020	27 756	115 777
1983	8 702	9 371	10 042	10 258	10 756	11 641	10 420	11 360	11 898	11 833	11 099	10 401	28 115	32 655	33 678	33 333	127 781
1984	9 931	11 286	11 737	11 795	11 785	12 779	11 448	12 366	12 581	12 664	11 798	11 060	32 954	36 359	36 395	35 522	141 230
1985	10 286	11 271	12 168	12 283	12 608	13 545	12 198	13 101	13 412	13 324	12 074	10 834	33 725	38 436	38 711	36 232	147 104
1986	11 036	11 911	12 840	13 466	13 178	14 061	12 515	13 187	13 996	13 909	12 508	11 503	35 787	40 705	39 698	37 920	154 110
1987	11 333	13 105	13 749	13 716	13 572	14 471	13 451	14 014	15 032	15 284	14 135	13 003	38 187	41 759	42 497	42 422	164 865
1988	12 208	13 624	14 835	15 099	14 795	15 937	14 035	14 913	15 645	15 527	14 361	13 880	40 667	45 831	44 593	43 768	174 859
1989	13 463	14 094	14 976	14 965	14 958	15 870	13 879	15 429	15 608	15 484	14 200	13 022	42 533	45 793	44 916	42 706	175 948
1990	12 597	14 092	14 934	14 572	14 882	15 810	13 854	14 934	14 959	14 815	13 188	12 113	41 623	45 264	43 747	40 116	170 750
Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 600	9 643	9 779	9 685	9 980	9 651	9 872	9 732	9 483	9 442	9 426	9 403	29 022	29 316	29 087	28 271	(X)
1983	10 020	9 832	9 923	10 128	10 481	10 673	10 643	10 826	11 085	11 134	11 384	11 603	29 775	31 282	32 554	34 121	(X)
1984	11 449	11 914	11 587	11 616	11 483	11 685	11 690	11 829	11 711	11 901	12 127	12 357	34 950	34 784	35 230	36 385	(X)
1985	11 872	11 861	12 005	12 052	12 310	12 387	12 480	12 565	12 457	12 484	12 365	12 026	35 738	36 749	37 502	36 875	(X)
1986	12 759	12 568	12 646	13 151	12 899	12 884	12 836	12 674	12 988	13 015	12 823	12 723	37 973	38 934	38 498	38 561	(X)
1987	13 071	13 834	13 498	13 391	13 301	13 306	13 849	13 565	14 011	14 300	14 511	14 422	40 403	39 998	41 425	43 233	(X)
1988	13 983	14 263	14 522	14 759	14 509	14 675	14 556	14 396	14 621	14 537	14 707	15 398	42 768	43 943	43 573	44 642	(X)
1989	15 399	14 712	14 625	14 620	14 654	14 616	14 417	14 900	14 641	14 499	14 559	14 434	44 736	43 890	43 958	43 492	(X)
1990	14 387	14 763	14 574	14 241	14 581	14 544	14 414	14 367	14 020	13 888	13 498	13 348	43 724	43 366	42 801	40 734	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.3	.4	1.4	-1.0	3.0	-3.3	2.3	-1.4	-2.6	-.4	-.2	-.2	1.1	1.0	-.8	-2.8	(X)
1983	6.6	-1.9	9	2.1	3.5	1.8	-.3	1.7	2.4	4	2.2	1.9	5.3	5.1	4.1	4.8	(X)
1984	-1.3	4.1	-2.7	3	-1.1	1.8	1	1.2	-1.0	1.6	1.9	1.9	2.4	-.5	1.3	3.3	(X)
1985	-3.9	-1	12	4	2.1	6	8	7	-.9	2	-1.0	-2.7	-1.8	2.8	2.0	-1.7	(X)
1986	6.1	-1.5	6	4.0	-1.9	-.1	-.4	-1.3	2.5	2	-1.5	-.8	3.0	2.5	-1.1	.2	(X)
1987	2.7	5.8	-2.4	-.8	-.7	-	4.1	-2.1	3.3	2.1	1.5	-.6	4.8	-1.0	3.6	4.4	(X)
1988	-3.0	2.0	1.8	1.6	-1.7	1.1	-.8	-1.1	1.6	-.6	1.2	4.7	-1.1	2.7	-.8	2.5	(X)
1989	-	-4.5	-.6	-.2	-.3	-.3	-1.4	3.4	-1.7	-1.0	4	-.9	.2	-1.9	.2	-1.1	(X)
1990	-.3	2.6	-1.3	-2.3	2.4	-.3	-.9	-.3	-2.4	-.9	-2.8	-1.1	.5	-.8	-1.3	-4.8	(X)
DEFENSE PRODUCTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	3 748	4 494	4 896	4 535	4 868	5 393	4 762	4 889	5 586	5 279	5 305	5 819	13 138	14 796	15 237	16 403	59 574
1983	4 875	5 701	6 104	5 772	5 820	6 266	5 747	5 833	6 394	6 187	6 353	6 771	16 680	17 858	17 974	19 311	71 823
1984	5 630	6 486	6 721	6 557	6 499	6 812	6 180	6 489	6 939	7 038	7 003	7 750	18 837	19 868	19 608	21 791	80 104
1985	6 386	7 415	7 789	7 143	7 296	8 040	6 951	7 573	8 160	8 395	8 383	9 067	21 590	22 479	22 684	25 845	92 598
1986	6 869	8 218	8 263	8 091	8 162	8 957	8 135	8 053	8 893	8 778	9 195	10 467	23 350	25 210	25 081	28 440	102 081
1987	7 199	8 357	9 744	8 405	8 627	9 524	8 090	8 341	9 433	8 774	8 941	10 317	25 300	26 556	25 864	28 032	105 752
1988	7 182	8 288	9 521	7 938	8 046	9 171	7 620	8 420	9 261	8 278	9 015	11 504	24 991	25 155	25 301	28 797	104 244
1989	7 366	8 438	9 303	8 264	8 688	9 601	7 600	8 643	9 381	8 406	9 154	11 258	25 107	26 553	25 624	28 818	106 102
1990	7 197	8 086	9 743	8 348	9 129	9 575	8 119	8 864	9 063	8 735	9 326	10 661	25 026	27 052	26 046	28 722	106 846
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 226	4 446	4 602	4 537	4 851	5 168	5 131	5 088	5 372	5 216	5 293	5 462	13 274	14 556	15 591	15 971	(X)
1983	5 536	5 627	5 760	5 815	5 834	6 006	6 194	6 089	6 163	6 106	6 290	6 232	16 923	17 655	18 446	18 628	(X)
1984	6 444	6 417	6 360	6 664	6 566	6 516	6 690	6 777	6 702	6 949	6 845	6 986	19 221	19 746	20 169	20 780	(X)
1985	7 389	7 367	7 372	7 332	7 420	7 654	7 576	7 907	7 869	8 310	8 135	7 971	22 128	22 406	23 352	24 416	(X)
1986	8 056	8 230	7 769	8 403	8 353	8 483	8 936	8 402	8 562	8 708	8 857	8 959	24 055	25 239	25 900	26 524	(X)
1987	8 571	8 501	9 096	8 821	8 839	8 991	8 960	8 672	9 078	8 762	8 598	8 696	26 168	26 651	26 710	26 056	(X)
1988	8 623	8 507	8 827	8 385	8 210	8 648	8 469	8 740	8 877	8 337	8 662	9 608	25 957	25 243	26 086	26 607	(X)
1989	8 925	8 771	8 595	8 756	8 848	9 023	8 453	8 924	8 976	8 521	8 783	9 219	26 291	26 627	26 353	26 523	(X)
1990	8 759	8 455	8 957	8 887	9 294	8 996	9 061	9 134	8 669	8 883	8 938	8 742	26 171	27 177	26 864	26 563	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-4.2	5.2	3.5	-1.4	6.9	6.5	-.7	-.8	5.6	-2.9	1.5	3.2	3.7	9.7	7.1	2.4	(X)
1983	1.4	1.6	2.4	1.0	.3	2.9	3.1	-1.7	1.2	-.9	3.0	-.9	6.0	4.3	4.5	1.0	(X)
1984	3.4	-.4	-.9	4.8	-1.5	-.8	2.7	1.3	-.1	3.7	-1.5	2.1	3.2	2.7	2.1	3.0	(X)
1985	5.8	-.3	1	-.5	1.2	3.2	-1.0	4.4	-.5	5.6	-2.1	-2.0	6.5	1.3	4.2	4.6	(X)
1986	1.1	2.2	-5.6	8.2	-.6	1.6	5.3	-6.0	1.9	1.7	1.7	1.2	-1.5	4.9	2.6	2.4	(X)
1987	-4.3	-.8	7.0	-3.0	2	1.7	-.3	-3.2	4.7	-3.5	-1.9	1.1	-1.3	1.8	.2	-2.4	(X)
1988	-.8	-1.3	3.8	-5.0	-2.1	5.3	-2.1	3.2	1.6	-.6	3.9	10.9	-.4	-2.8	3.3	2.0	(X)
1989	-7.1	-1.7	-2.0	1.9	1.1	2.0	-6.3	5.6	6	-5.1	3.1	5.0	-1.2	1.3	-1.0	6	(X)
1990	-5.0	-3.5	5.9	-.8	4.6	-3.2	7	8	-5.1	2.5	6	-2.2	-1.3	3.8	-1.2	-1.1	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb	March	April	May	June	July	Aug	Sept.	Oct	Nov.	Dec	1st	2nd	3rd	4th	
OTHER MATERIALS, SUPPLIES AND INTERMEDIATE PRODUCTS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	51 993	56 594	58 336	55 798	55 768	57 768	48 950	52 273	54 552	51 439	49 371	48 081	166 923	169 334	155 775	148 891	640 923
1983	49 378	53 318	56 730	55 270	56 950	60 691	52 467	57 246	61 836	61 245	59 800	59 384	159 426	172 911	171 549	180 429	684 315
1984	59 526	64 849	68 333	66 046	65 828	69 106	59 799	64 548	66 413	65 451	63 440	61 298	192 708	200 980	190 760	190 189	774 637
1985	60 103	65 134	67 730	65 266	65 528	67 457	58 714	62 967	65 342	64 935	63 190	59 831	192 967	198 251	187 023	187 956	766 197
1986	60 498	65 113	65 374	65 444	63 962	66 886	57 302	61 312	66 008	64 667	61 908	61 509	190 985	196 292	184 622	188 084	759 983
1987	60 182	68 064	70 604	68 044	68 554	72 188	63 241	67 924	73 174	72 660	70 779	68 786	198 850	208 786	204 339	212 225	824 200
1988	67 537	74 253	78 114	76 881	77 289	82 061	70 721	77 151	82 394	81 204	78 051	77 335	219 904	236 231	230 266	236 590	922 991
1989	77 168	82 547	84 543	84 091	83 238	86 340	73 544	80 846	84 698	82 721	79 331	75 902	244 258	253 669	239 088	237 954	974 969
1990	73 571	81 611	86 814	82 364	84 104	87 923	74 626	84 118	86 958	86 287	80 391	75 062	241 996	254 391	245 702	241 740	983 829
Seasonally Adjusted—Millions of Dollars																	
1982	55 032	55 320	54 671	54 455	54 434	54 286	53 483	53 003	52 788	50 778	50 859	51 090	165 023	163 175	159 274	152 727	(X)
1983	52 463	52 238	53 340	54 014	55 621	56 925	57 210	58 008	59 837	60 551	61 635	63 237	158 041	166 560	175 055	185 423	(X)
1984	63 237	63 501	64 361	64 486	64 368	64 829	65 130	65 554	64 202	64 657	65 203	65 009	191 099	193 683	194 886	194 869	(X)
1985	63 899	63 733	63 837	63 648	64 217	63 381	64 018	64 016	63 089	63 920	64 793	63 129	191 469	191 246	191 123	191 842	(X)
1986	64 445	63 693	61 725	63 860	62 817	62 916	62 681	62 342	63 559	63 433	63 309	64 791	189 863	189 593	188 582	191 533	(X)
1987	64 266	66 671	66 777	66 495	67 358	68 033	69 259	68 961	70 340	71 158	72 439	72 490	197 714	201 886	208 560	216 087	(X)
1988	72 126	72 839	73 958	75 173	75 874	77 391	77 632	78 274	79 114	79 362	79 764	81 616	218 923	228 438	235 020	240 742	(X)
1989	82 448	81 029	80 066	82 264	81 604	81 405	80 934	81 923	81 181	80 667	81 066	80 036	243 543	245 273	244 038	241 769	(X)
1990	78 772	80 216	82 164	80 623	82 355	83 009	82 573	85 267	83 408	84 145	82 098	78 870	241 152	245 987	251 248	245 113	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	1.8	5	-1.2	-4	-	-3	-1.5	-9	-4	-3.8	2	5	-1.2	-1.1	-2.4	-4.1	(X)
1983	2.7	-4	2.1	1.3	3.0	2.3	5	14	3.2	1.2	1.8	2.6	3.5	5.4	5.1	5.9	(X)
1984	-	4	1.4	2	-2	7	5	7	-2.1	7	8	-3	3.1	1.4	6	-	(X)
1985	-1.7	-3	2	-3	9	-1.3	1.0	-	-1.4	1.3	1.4	-2.6	-1.7	-1	-1	4	(X)
1986	2.1	-1.2	-3.1	3.5	-1.6	2	-4	-5	2.0	-2	-2	2.3	-1.0	-1	-5	1.6	(X)
1987	-8	3.7	2	-4	1.3	1.0	1.8	-4	2.0	1.2	1.8	1	3.2	2.1	3.3	3.6	(X)
1988	-5	1.0	1.5	1.6	9	2.0	3	8	1.1	3	5	2.3	1.3	4.3	2.9	2.4	(X)
1989	1.0	-1.7	-1.2	2.7	-8	-2	-6	1.2	-9	-6	5	-1.3	1.2	7	-5	-9	(X)
1990	-1.6	1.8	2.4	-1.9	2.1	8	-5	3.3	-2.2	9	-2.4	-3.9	-3	2.0	2.1	-2.4	(X)
NONDEFENSE CAPITAL GOODS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	19 469	22 809	24 320	21 256	21 534	22 903	18 947	19 174	21 371	19 459	19 478	21 378	66 598	65 693	59 492	60 315	252 098
1983	16 976	18 925	21 544	19 387	19 026	22 644	17 933	18 748	21 771	19 950	21 004	24 389	57 445	61 057	58 452	65 343	242 297
1984	18 660	21 407	24 188	21 830	23 003	25 850	20 814	21 919	25 536	23 412	24 426	27 855	64 255	70 683	68 269	75 693	278 900
1985	19 974	23 575	27 250	23 417	23 955	27 029	21 673	23 180	26 087	24 091	24 485	28 524	70 799	74 581	70 940	77 100	293 420
1986	20 400	23 943	26 841	23 813	23 552	27 222	21 412	22 192	25 685	23 472	23 558	27 883	71 184	74 587	69 289	74 913	289 973
1987	19 772	23 156	26 363	23 267	22 929	27 395	22 286	22 690	28 119	24 654	24 710	30 011	69 291	73 591	73 095	79 375	295 352
1988	21 775	25 494	29 591	25 885	26 657	30 988	24 895	26 151	31 450	27 758	27 664	32 808	76 860	83 530	82 496	88 230	331 116
1989	24 385	28 199	32 964	29 156	29 651	34 914	26 757	29 501	34 779	29 418	29 273	35 925	85 548	93 721	91 037	94 616	364 922
1990	26 259	31 524	35 234	30 340	30 487	36 654	27 950	30 526	35 797	31 424	30 839	37 629	93 017	97 481	94 273	99 892	384 663
Seasonally Adjusted—Millions of Dollars																	
1982	22 224	22 760	22 397	21 515	21 770	20 971	20 864	20 409	20 224	19 852	19 634	19 234	67 381	64 256	61 497	58 720	(X)
1983	19 736	19 117	19 672	19 828	19 278	20 596	19 842	20 040	20 445	20 368	21 174	21 776	58 525	59 702	60 327	63 318	(X)
1984	21 757	21 756	22 033	22 382	23 368	23 401	23 113	23 491	23 742	23 975	24 625	24 472	65 546	69 151	70 346	73 072	(X)
1985	23 608	24 172	24 702	24 116	24 446	24 460	24 096	24 926	23 993	24 736	24 838	24 901	72 482	73 022	73 015	74 475	(X)
1986	24 273	24 625	24 289	24 545	24 060	24 310	23 759	23 848	23 428	24 183	24 053	24 216	73 187	72 915	71 035	72 452	(X)
1987	23 645	23 895	23 831	24 063	23 550	24 326	24 908	24 317	25 519	25 399	25 379	26 166	71 371	71 939	74 744	76 944	(X)
1988	26 143	26 351	26 704	26 801	27 414	27 380	27 801	27 970	28 482	28 687	28 617	28 576	79 198	81 595	84 253	85 880	(X)
1989	29 127	29 155	29 744	30 107	30 455	30 805	29 860	31 428	31 503	30 398	30 413	31 348	88 026	91 367	92 791	92 159	(X)
1990	31 335	32 665	31 838	31 274	31 295	32 378	31 223	32 478	32 416	32 632	32 099	32 722	95 838	94 947	96 117	97 453	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-	2.4	-1.6	-3.9	1.2	-3.7	-5	-2.2	-9	-1.8	-1.1	-2.0	-2	-4.6	-4.3	-4.5	(X)
1983	2.6	-3.1	2.9	8	-2.8	6.8	-3.7	1.0	2.0	-4	4.0	2.8	-3	2.0	1.0	5.0	(X)
1984	-1	-	1.3	1.6	4.4	1	-1.2	1.6	1.1	1.0	2.7	-6	3.5	5.5	1.7	3.9	(X)
1985	-3.5	2.4	2.2	-2.4	1.4	1	-1.5	3.4	-3.7	3.1	4	3	-8	7	-	2.0	(X)
1986	-2.5	1.5	-1.4	1.1	-2.0	1.0	-2.3	4	-1.8	3.2	-5	7	-1.7	-4	-2.6	2.0	(X)
1987	-2.4	1.1	-3	1.0	-2.1	3.3	2.4	-2.4	4.9	-5	-1	3.1	-1.5	8	3.9	2.9	(X)
1988	-1	8	1.3	1.4	2.3	-1	1.5	6	1.8	7	-2	-1	2.9	3.0	3.3	1.9	(X)
1989	1.9	1	2.0	1.2	1.2	1.1	-3.1	5.3	2	-3.5	-	3.1	2.5	3.8	1.6	-7	(X)
1990	-	4.2	-2.5	-1.8	1	3.5	-3.6	4.0	-2	7	-1.6	1.9	4.0	-9	1.2	1.4	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec	1st	2nd	3rd	4th	
NONDEFENSE CAPITAL GOODS, EXCLUDING AIRCRAFT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	17 200	20 035	21 510	18 569	18 518	20 023	16 487	16 943	18 800	16 697	16 894	18 293	58 745	57 110	52 230	51 884	219 969
1983 ---	14 596	16 246	18 421	16 555	16 556	19 317	15 941	16 527	19 143	17 784	18 289	21 165	49 263	52 428	51 611	57 238	210 540
1984 ---	16 680	19 033	21 607	19 334	20 488	22 765	18 570	19 548	22 509	20 838	21 435	24 024	57 320	62 587	60 627	66 297	246 831
1985 ---	17 817	20 692	23 998	20 493	21 355	23 994	18 955	20 026	23 042	21 115	21 681	23 858	62 507	65 842	62 023	66 654	257 026
1986 ---	17 921	20 809	23 284	20 739	20 086	23 823	18 346	19 043	22 585	19 874	20 026	23 451	62 014	64 648	59 974	63 351	249 987
1987 ---	17 293	19 927	22 504	19 828	19 933	23 751	19 191	19 811	24 333	21 378	21 253	24 893	59 724	63 512	63 335	67 524	254 095
1988 ---	18 597	21 782	25 309	22 056	22 570	26 655	21 052	22 701	27 044	23 238	23 402	27 918	65 688	71 281	70 797	74 558	282 324
1989 ---	21 031	24 287	27 811	24 772	25 361	29 922	22 438	24 880	28 880	24 955	25 019	30 214	73 129	80 055	76 198	80 188	309 570
1990 ---	22 432	25 929	30 006	25 208	25 586	30 205	22 811	25 087	29 198	26 282	25 367	29 410	78 367	80 999	77 096	81 059	317 521
Seasonally Adjusted—Millions of Dollars																	
1982 ---	19 369	19 897	19 834	18 824	18 698	18 365	18 202	17 920	17 772	16 872	17 131	16 752	59 100	55 887	53 894	50 755	(X)
1983 ---	16 717	16 335	16 811	16 987	16 755	17 574	17 699	17 548	17 952	18 065	18 526	19 217	49 863	51 316	53 199	55 808	(X)
1984 ---	19 264	19 282	19 654	19 855	20 796	20 586	20 707	20 828	20 883	21 233	21 684	21 492	58 200	61 237	62 418	64 409	(X)
1985 ---	20 884	21 158	21 708	21 165	21 781	21 523	21 164	21 374	21 129	21 540	22 059	21 343	63 750	64 469	63 667	64 942	(X)
1986 ---	21 074	21 344	21 025	21 427	20 522	21 206	20 445	20 299	20 522	20 288	20 502	20 824	63 443	63 155	61 266	61 614	(X)
1987 ---	20 460	20 510	20 303	20 584	20 480	21 003	21 551	21 079	21 973	21 927	21 892	22 239	61 273	62 067	64 603	66 058	(X)
1988 ---	22 077	22 449	22 809	22 922	23 244	23 434	23 603	24 099	24 360	23 878	24 281	24 783	67 335	69 600	72 062	72 942	(X)
1989 ---	24 900	25 027	25 083	25 675	26 061	26 267	25 124	26 243	25 983	25 663	26 071	26 894	75 010	78 003	77 350	78 628	(X)
1990 ---	26 486	26 749	27 128	26 106	26 268	26 525	25 593	26 381	26 243	27 146	26 465	26 335	80 363	78 899	78 217	79 946	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4	2.7	-3	-5.1	-7	-1.8	-9	-1.5	-8	-5.1	1.5	-2.2	8	-5.4	-3.6	-5.8	(X)
1983 ---	-2	-2.3	2.9	1.0	-1.4	4.9	7	-9	2.3	6	2.6	3.7	-1.8	2.9	3.7	4.9	(X)
1984 ---	2	.1	1.9	1.0	4.7	-1.0	6	6	.3	1.7	2.1	-9	4.3	5.2	1.9	3.2	(X)
1985 ---	-2.8	1.3	2.6	-2.5	2.9	-1.2	-1.7	1.0	-1.1	1.9	2.4	-3.2	-1.0	1.1	-1.2	2.0	(X)
1986 ---	-1.3	1.3	-1.5	1.9	-4.2	3.3	-3.6	-7	1.1	-1.1	1.1	1.6	-2.3	-5	-3.0	6	(X)
1987 ---	-1.7	.2	-1.0	1.4	-5	2.6	2.6	-2.2	4.2	-2	1.6	1.6	-6	1.3	4.1	2.3	(X)
1988 ---	-7	1.7	1.6	5	1.4	8	7	2.1	1.1	-2.0	1.7	2.1	1.9	3.4	3.5	1.2	(X)
1989 ---	.5	5	2	2.4	1.5	8	-4.4	4.5	-1.0	-1.2	1.6	3.2	2.8	4.0	-8	1.7	(X)
1990 ---	-1.5	1.0	1.4	-3.8	6	10	-3.5	3.1	-5	3.4	-2.5	-5	2.2	-1.8	-9	2.2	(X)
DEFENSE CAPITAL GOODS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	3 695	4 470	4 915	4 504	4 919	5 525	4 775	4 851	5 655	5 357	5 467	6 067	13 080	14 948	15 281	16 891	60 200
1983 ---	4 978	5 754	6 254	5 870	5 980	6 486	5 901	5 945	6 560	6 429	6 551	7 120	16 986	18 336	18 406	20 100	73 828
1984 ---	5 750	6 590	6 859	6 639	6 630	7 004	6 287	6 664	7 078	7 330	7 334	8 140	19 199	20 273	20 029	22 804	82 305
1985 ---	6 473	7 548	7 989	7 318	7 462	8 288	7 105	7 690	8 317	8 714	8 786	9 653	22 010	23 068	23 112	27 153	95 343
1986 ---	7 020	8 433	8 333	8 309	8 461	9 372	8 494	8 204	9 211	9 221	9 767	11 360	23 786	26 142	25 909	30 348	106 185
1987 ---	7 344	8 619	10 148	8 613	8 939	9 914	8 345	8 432	9 791	9 049	9 273	10 919	26 111	27 466	26 568	29 241	109 386
1988 ---	7 208	8 278	9 720	7 942	8 042	9 269	7 625	8 550	9 291	8 284	9 098	11 998	25 206	25 253	25 466	29 380	105 305
1989 ---	7 233	8 374	9 289	8 076	8 581	9 892	7 444	8 600	9 459	8 326	9 287	11 986	24 896	26 549	25 503	29 599	106 547
1990 ---	7 024	7 852	9 675	8 206	9 060	9 704	8 010	8 765	9 081	8 726	9 581	11 247	24 551	26 970	25 856	29 554	106 931
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 207	4 462	4 634	4 539	4 913	5 272	5 176	5 104	5 439	5 264	5 387	5 590	13 303	14 724	15 719	16 241	(X)
1983 ---	5 702	5 723	5 916	5 959	6 010	6 192	6 397	6 280	6 341	6 296	6 396	6 407	17 341	18 161	19 018	19 099	(X)
1984 ---	6 658	6 585	6 502	6 810	6 721	6 673	6 844	7 051	6 874	7 179	7 059	7 148	19 745	20 204	20 769	21 386	(X)
1985 ---	7 578	7 575	7 568	7 579	7 620	7 865	7 782	8 119	8 064	8 570	8 408	8 249	22 721	23 064	23 965	25 227	(X)
1986 ---	8 345	8 537	7 840	8 715	8 707	8 845	9 375	8 651	8 913	9 100	9 280	9 421	24 722	26 267	26 939	27 801	(X)
1987 ---	8 880	8 885	9 474	9 145	9 227	9 319	9 297	8 859	9 453	9 019	8 791	8 881	27 239	27 691	27 609	26 691	(X)
1988 ---	8 815	8 612	9 013	8 513	8 262	8 695	8 554	8 979	8 911	8 350	8 605	9 628	26 440	25 470	26 444	26 583	(X)
1989 ---	8 934	8 840	8 583	8 688	8 798	9 227	8 373	8 972	9 049	8 460	8 774	9 362	26 357	26 713	26 394	26 596	(X)
1990 ---	8 726	8 342	8 895	8 889	9 293	9 055	9 047	9 132	8 675	8 907	9 043	8 801	25 963	27 237	26 854	26 751	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-2.5	6.1	3.9	-2.1	8.2	7.3	-1.8	-1.4	6.6	-3.2	2.3	3.8	6.4	10.7	6.8	3.3	(X)
1983 ---	2.0	4	3.4	7	9	3.0	3.3	-1.8	1.0	-7	1.6	2	6.8	4.7	4.7	4	(X)
1984 ---	3.9	-1.1	-1.3	4.7	-1.3	-7	2.6	3.0	-2.5	4.4	-1.7	1.3	3.4	2.3	2.8	3.0	(X)
1985 ---	6.0	-	-1	1	5	3.2	-1.1	4.3	-7	6.3	-1.9	-1.9	6.2	1.5	3.9	5.3	(X)
1986 ---	1.2	2.3	-8.2	11.2	-1	1.6	6.0	-7.7	3.0	2.1	2.0	1.5	-2.0	6.2	2.6	3.2	(X)
1987 ---	-5.7	1	6.6	-3.5	9	1.0	-2	-4.7	6.7	-4.6	-2.5	1.0	-2.0	1.7	-3	-3.3	(X)
1988 ---	-7	-2.3	4.7	-5.5	-2.9	5.2	-1.6	5.0	-8	-6.3	3.1	11.9	-9	-3.7	3.8	5	(X)
1989 ---	-7.2	-1.1	-2.9	1.2	1.3	4.9	-9.3	7.2	9	-6.5	3.7	6.7	-9	1.4	-1.2	8	(X)
1990 ---	-6.8	-4.4	6.6	-1	4.5	-2.6	-1	9	-5.0	2.7	1.5	-2.7	-2.4	4.9	-1.4	-4	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec	1st	2nd	3rd	4th	
DURABLES, EXCLUDING CAPITAL GOODS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	48 415	54 288	57 686	56 575	56 987	58 866	49 191	52 201	55 376	53 340	49 417	45 901	160 389	172 428	156 768	148 658	638 243
1983 ---	49 390	54 686	57 909	57 362	59 382	63 394	53 381	58 790	65 042	66 222	63 519	60 568	161 985	180 138	177 213	190 309	709 645
1984 ---	61 803	68 628	71 861	69 263	69 047	73 240	61 288	67 514	69 486	71 911	67 891	62 139	202 292	211 550	198 288	201 941	814 071
1985 ---	63 682	69 096	72 608	70 262	71 462	73 505	61 630	67 870	72 764	72 986	69 193	61 531	205 386	215 229	202 264	203 710	826 589
1986 ---	66 219	71 118	72 310	73 649	71 494	75 486	62 268	67 566	74 086	74 782	68 268	65 455	209 647	220 629	203 920	208 505	842 701
1987 ---	65 597	76 044	78 283	75 116	75 181	78 621	65 206	71 581	78 977	81 064	76 698	70 426	219 924	228 918	215 764	228 188	892 794
1988 ---	70 763	79 391	83 921	82 901	83 700	88 130	71 072	79 896	87 345	89 113	83 779	79 478	234 075	254 731	238 313	252 370	979 489
1989 ---	81 158	87 709	89 126	89 286	87 989	89 321	71 483	85 563	89 850	89 535	85 171	76 728	257 993	266 596	246 896	251 434	1 022 919
1990 ---	72 047	85 766	91 436	86 285	90 407	93 785	74 684	86 630	88 909	91 482	80 817	70 808	249 249	270 477	250 223	243 107	1 013 056
Seasonally Adjusted—Millions of Dollars																	
1982 ---	52 583	53 790	54 144	54 765	55 127	54 621	54 859	53 501	52 894	50 665	50 361	50 858	160 517	164 513	161 254	151 884	(X)
1983 ---	53 681	54 196	54 461	55 456	57 309	59 638	59 500	60 235	62 303	63 176	64 646	67 446	162 338	171 403	182 038	195 268	(X)
1984 ---	66 811	67 652	67 558	66 859	66 635	67 749	68 582	69 336	66 610	68 657	69 018	69 024	202 021	201 243	204 528	206 699	(X)
1985 ---	68 787	67 738	68 262	67 858	69 087	68 209	69 216	69 794	69 773	69 457	70 080	68 016	204 787	205 154	208 783	207 553	(X)
1986 ---	71 558	69 544	68 133	71 122	69 297	70 279	70 506	69 533	70 763	70 825	68 933	72 194	209 235	210 698	210 802	211 952	(X)
1987 ---	71 089	74 285	73 669	72 653	72 882	73 375	73 976	73 447	75 394	76 629	77 456	77 253	219 042	218 910	222 817	231 338	(X)
1988 ---	76 823	77 672	79 072	80 294	81 075	82 333	81 218	82 059	83 257	84 034	84 385	87 214	233 567	243 702	246 534	255 633	(X)
1989 ---	88 116	85 721	83 936	86 524	85 091	83 432	81 703	87 804	85 645	84 375	86 003	83 987	257 773	255 047	255 152	254 365	(X)
1990 ---	78 638	84 085	86 036	83 722	87 303	87 734	86 261	88 831	84 692	86 153	81 551	77 055	248 759	258 759	259 784	244 759	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-2	2.3	.7	1.1	.7	-9	.4	-2.5	-1.1	-4.2	-.6	1.0	-1.4	2.5	-2.0	-5.8	(X)
1983 ---	5.6	1.0	.5	1.8	3.3	2.3	1.5	1.2	3.4	1.4	2.3	4.3	6.9	5.6	6.2	7.3	(X)
1984 ---	-9	1.3	-.1	-1.0	-.3	1.7	1.2	1.1	-3.9	3.1	5	3.5	-.4	1.6	1.1	1	(X)
1985 ---	-3	-1.5	-.8	-.6	1.8	-1.3	1.5	.8	-.5	1.8	-.9	-2.9	-.9	2	1.8	-.6	(X)
1986 ---	5.2	-2.8	-2.0	4.4	-2.6	1.4	.3	-1.4	1.8	1	-2.7	4.7	8	7	-.5	5	(X)
1987 ---	-1.5	4.5	-.8	-1.4	-.3	.7	.8	-.7	2.7	1.6	1.1	-.3	3.3	-.1	1.8	3.8	(X)
1988 ---	-6	1.1	1.8	1.5	1.0	1.6	-1.4	1.0	1.5	9	4	3.4	1.0	4.3	1.2	3.7	(X)
1989 ---	1.0	-2.7	-2.1	3.1	-1.7	-1.9	-2.1	7.5	-2.5	-1.5	1.9	-2.3	8	-1.1	-.3	-.3	(X)
1990 ---	-6.4	6.9	2.3	-2.7	4.3	.5	-1.7	3.0	-4.7	1.7	-5.3	-5.5	-2.2	4.0	4	-5.8	(X)
PRODUCERS' DURABLE EQUIPMENT—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	43 319	50 445	54 748	51 090	52 141	54 425	44 464	46 448	50 975	48 114	45 788	45 785	148 512	157 656	141 887	139 687	587 742
1983 ---	43 323	48 669	52 505	49 783	50 907	56 587	45 477	49 657	57 183	56 665	56 235	57 490	144 497	157 277	152 317	170 380	624 471
1984 ---	53 370	59 677	64 073	59 586	60 867	65 780	52 917	58 077	63 243	63 517	62 729	62 130	177 120	186 233	174 237	188 376	725 966
1985 ---	56 230	62 900	68 414	62 504	64 254	67 948	54 402	59 702	67 468	65 855	64 391	62 973	187 544	194 706	181 572	193 219	757 041
1986 ---	58 193	64 281	66 980	64 668	63 563	69 966	54 587	59 499	67 502	65 984	62 294	65 418	189 454	198 197	181 588	193 686	762 935
1987 ---	57 222	67 504	71 562	65 546	65 421	71 165	55 824	60 462	70 931	68 902	66 556	67 002	196 288	202 132	187 217	202 460	788 097
1988 ---	60 405	69 419	75 596	70 711	72 605	78 380	60 593	68 117	78 738	76 720	73 807	76 089	205 420	221 696	207 448	226 616	861 180
1989 ---	68 954	77 444	81 904	78 321	78 227	82 677	62 405	76 024	84 187	79 083	77 342	78 025	228 302	239 225	222 616	234 450	924 593
1990 ---	64 120	79 801	86 901	78 161	82 013	89 570	66 904	78 113	84 737	83 907	75 620	74 424	230 822	249 744	229 754	233 951	944 271
Seasonally Adjusted—Millions of Dollars																	
1982 ---	48 239	50 088	50 644	50 338	51 102	50 163	50 613	49 154	48 492	46 504	46 030	46 314	148 971	151 603	148 259	138 848	(X)
1983 ---	48 247	48 344	48 453	49 180	49 763	51 942	52 073	52 655	54 399	54 854	56 428	58 814	145 044	150 885	159 127	170 096	(X)
1984 ---	59 027	58 989	59 083	58 803	59 572	60 296	60 909	61 744	59 919	61 769	62 957	62 761	177 099	178 671	182 572	187 487	(X)
1985 ---	62 378	62 028	62 919	61 846	63 044	62 290	62 846	63 567	63 745	64 077	64 644	63 196	187 325	187 180	190 158	191 917	(X)
1986 ---	64 632	63 196	61 627	63 961	62 459	64 182	63 557	63 384	63 429	64 032	62 522	65 861	189 455	190 602	190 370	192 415	(X)
1987 ---	63 812	66 208	65 818	64 948	64 308	65 250	65 365	64 218	66 384	66 717	66 898	66 941	195 838	194 506	195 967	200 556	(X)
1988 ---	67 807	68 317	69 479	70 169	71 331	71 727	71 371	72 387	73 553	74 187	74 365	76 318	205 603	213 227	217 311	224 870	(X)
1989 ---	77 217	76 136	75 215	77 539	76 706	75 527	73 411	80 604	78 658	76 539	78 339	77 768	228 568	229 772	232 673	232 646	(X)
1990 ---	72 487	78 837	79 765	77 444	80 238	82 089	79 362	82 667	79 108	81 327	76 790	73 243	231 089	239 771	241 137	231 360	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.2	3.8	1.1	-.6	1.5	-1.8	.9	-2.9	-1.3	-4.1	-1.0	.6	-.1	1.8	-2.2	-6.3	(X)
1983 ---	4.2	2	2	1.5	1.2	4.4	3	1.1	3.3	.8	2.9	4.2	4.5	4.0	5.5	6.9	(X)
1984 ---	4	-.1	2	-.5	1.3	1.2	1.0	1.4	-3.0	3.1	1.9	-.3	4.1	-.9	2.2	2.7	(X)
1985 ---	-6	-6	1.4	-1.7	1.9	-1.2	.9	1.1	3	.5	9	-2.2	-.1	1	1.6	9	(X)
1986 ---	2.3	-2.2	-2.5	3.8	-2.3	2.8	-1.0	-.3	1	1.0	-2.4	5.3	-1.3	6	-.1	1.1	(X)
1987 ---	-3.1	3.8	-.6	-1.3	-1.0	1.5	.2	-1.8	3.4	.5	3	1	1.8	-.7	8	2.3	(X)
1988 ---	1.3	.8	1.7	1.0	1.7	.6	-.5	1.4	1.6	.9	2	2.6	2.5	3.7	1.9	3.5	(X)
1989 ---	1.2	-1.4	-1.2	3.1	-1.1	-1.5	-2.8	9.8	-2.4	-2.7	2.4	1.6	5	1.3	1.3	3	(X)
1990 ---	-6.8	8.8	1.2	-2.9	3.6	2.3	-3.3	4.2	-4.3	2.8	-5.6	-4.6	-.7	3.8	6	-4.1	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov.	Dec.	1st	2nd	3rd	4th	
HOUSEHOLD DURABLE GOODS—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	3 980	4 769	5 117	4 696	4 551	4 848	4 249	4 833	5 428	5 149	4 561	3 893	13 866	14 095	14 510	13 603	56 074
1983	4 051	4 717	5 004	4 827	4 814	5 306	4 430	5 266	5 869	5 699	5 348	4 787	13 772	14 947	15 565	15 834	60 118
1984	4 581	5 360	5 758	5 202	5 459	5 993	4 921	5 769	6 175	6 227	5 497	4 891	15 699	16 654	16 865	16 615	65 833
1985	4 807	5 445	5 909	5 415	5 509	5 987	4 838	5 743	6 420	6 124	5 791	5 092	16 161	16 911	17 001	17 007	67 080
1986	4 881	5 679	6 108	5 561	5 518	6 521	5 200	6 242	7 004	6 518	5 867	5 220	16 668	17 600	18 446	17 605	70 319
1987	4 952	5 732	6 162	5 584	5 622	6 318	4 978	6 009	6 602	6 367	5 943	5 175	16 846	17 524	17 589	17 485	69 444
1988	5 192	5 963	6 410	5 923	5 974	6 355	5 287	6 324	7 161	6 766	6 483	5 711	17 565	18 252	18 772	18 960	73 549
1989	5 488	6 423	6 855	6 324	6 223	6 738	5 350	6 657	7 161	7 136	6 628	5 990	18 766	19 285	19 168	19 754	76 973
1990	5 464	6 548	7 055	6 105	6 273	6 854	5 477	6 585	7 277	7 171	6 659	6 093	19 067	19 232	19 339	19 923	77 561
Seasonally Adjusted—Millions of Dollars																	
1982	4 622	4 790	4 838	4 769	4 706	4 615	4 835	4 627	4 759	4 610	4 533	4 381	14 250	14 090	14 221	13 524	(X)
1983	4 688	4 742	4 721	4 913	4 956	5 015	5 017	5 040	5 145	5 143	5 334	5 392	14 151	14 884	15 202	15 869	(X)
1984	5 308	5 411	5 424	5 298	5 616	5 614	5 582	5 525	5 405	5 651	5 487	5 450	16 143	16 528	16 512	16 588	(X)
1985	5 586	5 495	5 546	5 560	5 678	5 581	5 515	5 517	5 609	5 569	5 771	5 641	16 627	16 819	16 641	16 981	(X)
1986	5 645	5 739	5 726	5 739	5 700	6 074	5 957	6 014	6 110	5 940	5 819	5 785	17 110	17 513	18 081	17 544	(X)
1987	5 764	5 764	5 710	5 718	5 784	5 905	5 750	5 801	5 802	5 826	5 897	5 717	17 238	17 407	17 353	17 440	(X)
1988	6 073	5 959	5 930	6 047	6 142	5 943	6 134	6 138	6 307	6 170	6 381	6 296	17 962	18 132	18 579	18 847	(X)
1989	6 415	6 411	6 340	6 496	6 391	6 312	6 225	6 477	6 337	6 501	6 520	6 550	19 166	19 199	19 039	19 571	(X)
1990	6 371	6 537	6 529	6 253	6 424	6 427	6 384	6 429	6 449	6 515	6 513	6 658	19 437	19 104	19 262	19 686	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-3.3	3.6	1.0	-1.4	-1.3	-1.9	4.8	-4.3	2.9	-3.1	-1.7	-3.4	-1.4	-1.1	.9	-4.9	(X)
1983	7.0	1.2	-4	4.1	.9	1.2	-	5	2.1	-	3.7	1.1	4.6	5.2	2.1	4.4	(X)
1984	-1.6	1.9	2	-2.3	6.0	-	-6	-1.0	-2.2	4.6	-2.9	-7	1.7	2.4	-1	.5	(X)
1985	2.5	-1.6	.9	3	2.1	-1.7	-1.2	-	1.7	-7	3.6	-2.3	.2	1.2	-1.1	2.0	(X)
1986	1	1.7	-2	2	-7	6.6	-1.9	1.0	1.6	-2.8	-2.0	-6	.8	2.4	3.2	-3.0	(X)
1987	-4	-	-9	1	1.2	2.1	-2.6	.9	-	4	1.2	-3.1	-1.7	1.0	-3	.5	(X)
1988	6.2	-1.9	-5	2.0	1.6	-3.2	3.2	.1	2.8	-2.2	3.4	-1.3	3.0	.9	2.5	1.4	(X)
1989	1.9	-1	-1.1	2.5	-1.6	-1.2	-1.4	4.0	-2.2	2.6	.3	.5	1.7	2	-8	2.8	(X)
1990	-2.7	2.6	-1	-4.2	2.7	-	-7	7	.3	1.0	-	2.2	-7	-1.7	.8	2.2	(X)
INFORMATION TECHNOLOGY INDUSTRIES—SHIPMENTS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	7 417	8 885	10 144	8 512	8 626	9 767	7 821	8 507	9 749	8 620	9 016	10 440	26 446	26 905	26 077	28 076	107 504
1983	7 444	8 515	10 279	8 683	8 695	10 718	8 430	8 917	10 554	9 677	10 245	12 399	26 238	28 096	27 901	32 321	114 556
1984	8 504	9 857	11 808	10 020	10 861	12 495	9 798	11 069	12 553	11 308	12 477	14 374	30 169	33 376	33 420	38 159	135 124
1985	9 766	11 327	13 464	10 722	11 486	13 665	10 116	11 103	13 493	11 492	12 130	14 534	34 557	35 873	34 712	38 156	143 298
1986	9 398	11 042	12 908	10 486	10 744	13 748	9 575	10 778	13 484	10 958	11 677	14 375	33 348	34 978	33 837	37 010	139 173
1987	9 370	11 095	13 006	10 453	10 973	13 940	10 354	11 161	14 355	11 479	12 090	15 041	33 471	35 366	35 870	38 610	143 317
1988	9 810	11 781	14 532	11 523	12 205	15 601	11 246	12 432	15 607	12 276	12 916	16 745	36 123	39 329	39 285	41 937	156 674
1989	10 908	12 124	15 394	12 265	13 273	16 910	11 491	13 339	16 745	12 967	13 990	17 481	38 426	42 448	41 575	44 438	166 887
1990	11 796	13 725	16 161	12 726	13 693	17 099	11 913	13 452	16 864	14 459	14 026	17 526	41 682	43 518	42 229	46 011	173 440
Seasonally Adjusted—Millions of Dollars																	
1982	8 805	9 193	9 237	8 985	8 958	8 896	8 958	8 910	8 979	8 720	8 854	8 846	27 235	26 839	26 847	26 420	(X)
1983	8 894	8 847	9 295	9 308	9 064	9 659	9 747	9 388	9 617	9 881	10 064	10 425	27 036	28 031	28 752	30 370	(X)
1984	10 289	10 332	10 629	10 874	11 390	11 120	11 388	11 736	11 241	11 654	12 280	11 842	31 250	33 384	34 365	35 776	(X)
1985	11 959	11 924	12 023	11 763	12 102	11 992	11 783	11 799	11 875	11 933	12 019	11 910	35 906	35 857	35 457	35 862	(X)
1986	11 567	11 696	11 514	11 628	11 358	11 881	11 166	11 475	11 706	11 416	11 659	11 752	34 777	34 867	34 347	34 827	(X)
1987	11 647	11 816	11 597	11 672	11 636	11 924	12 181	11 891	12 306	12 086	12 201	12 266	35 060	35 232	36 378	36 553	(X)
1988	12 204	12 620	12 896	12 936	12 971	13 180	13 271	13 260	13 278	12 991	13 147	13 682	37 720	39 087	39 809	39 820	(X)
1989	13 522	13 011	13 645	13 752	14 053	14 189	13 601	14 177	14 248	13 737	14 314	14 263	40 178	41 994	42 026	42 314	(X)
1990	14 595	14 738	14 311	14 247	14 458	14 323	14 122	14 276	14 339	15 379	14 373	14 289	43 644	43 028	42 737	44 041	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	3.8	4.4	5	-2.7	-3	-7	7	-5	.8	-2.9	1.5	-1	6.6	-1.5	-	-1.6	(X)
1983	5	-5	5.1	1	-2.6	6.6	.9	-3.7	2.4	2.7	1.9	3.6	2.3	3.7	2.6	5.6	(X)
1984	-1.3	.4	2.9	2.3	4.7	-2.4	2.4	3.1	-4.2	3.7	5.4	-3.6	2.9	6.8	2.9	4.1	(X)
1985	1.0	-3	.8	-2.2	2.9	-9	-1.7	1	.6	.5	.7	-9	4	-1	-1.1	1.1	(X)
1986	-2.9	1.1	-1.6	1.0	-2.3	4.6	-6.0	2.8	2.0	-2.5	2.1	8	-3.0	.3	-1.5	1.4	(X)
1987	-9	1.5	-1.9	6	-3	2.5	2.2	-2.4	3.5	-1.8	1.0	5	.7	5	3.3	5	(X)
1988	-5	3.4	2.2	3	1.6	.7	-1	1	1	-2.2	1.2	4.1	3.2	3.6	1.8	-	(X)
1989	-1.2	-3.8	4.9	.8	2.2	1.0	-4.1	4.2	5	-3.6	4.2	-4	.9	4.5	1	.7	(X)
1990	2.3	1.0	-2.9	-4	1.5	-9	-1.4	1.1	4	7.3	-6.5	-6	3.1	-1.4	-7	3.1	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb	March	April	May	June	July	Aug.	Sept.	Oct	Nov	Dec.	1st	2nd	3rd	4th	
	HEALTH CARE EQUIPMENT AND PRODUCTS—SHIPMENTS																
	Without Seasonal Adjustment—Millions of Dollars																
1982 ---	3 072	3 451	3 799	3 517	3 516	3 854	3 261	3 575	4 161	3 474	3 461	3 681	10 322	10 887	10 997	10 616	42 822
1983 ---	3 503	3 749	3 887	3 495	3 551	4 041	3 486	3 860	4 447	3 915	3 836	4 112	11 139	11 087	11 793	11 863	45 882
1984 ---	3 765	3 895	4 286	3 837	3 948	4 520	3 809	4 230	4 817	4 134	4 091	4 448	11 946	12 305	12 856	12 673	49 780
1985 ---	4 094	4 381	4 657	3 997	4 185	4 944	3 969	4 457	4 920	4 391	4 202	4 604	13 132	13 126	13 346	13 197	52 801
1986 ---	4 470	4 585	4 654	4 321	4 390	4 993	4 155	4 722	5 305	4 776	4 625	4 983	13 709	13 704	14 182	14 384	55 979
1987 ---	4 772	5 062	5 287	4 837	4 899	5 644	4 871	5 390	6 223	5 414	5 249	5 603	15 121	15 380	16 484	16 266	63 251
1988 ---	5 493	5 700	6 014	5 580	5 386	6 160	5 238	6 097	6 544	5 929	5 708	6 117	17 207	17 126	17 879	17 754	69 966
1989 ---	6 076	6 223	6 344	5 842	5 840	6 666	5 859	6 380	7 036	6 219	6 201	6 774	18 643	18 348	19 275	19 194	75 460
1990 ---	6 305	6 483	6 899	6 419	6 421	7 039	6 333	6 970	7 453	6 871	6 908	6 827	19 687	19 879	20 756	20 606	80 928
	Seasonally Adjusted—Millions of Dollars																
1982 ---	3 220	3 430	3 559	3 728	3 681	3 613	3 601	3 614	3 683	3 487	3 593	3 616	10 209	11 022	10 898	10 696	(X)
1983 ---	3 659	3 728	3 655	3 708	3 718	3 773	3 855	3 877	3 931	3 956	3 994	4 027	11 042	11 199	11 663	11 977	(X)
1984 ---	3 913	3 872	4 048	4 071	4 132	4 208	4 215	4 233	4 274	4 189	4 267	4 350	11 833	12 411	12 722	12 606	(X)
1985 ---	4 229	4 352	4 413	4 235	4 390	4 600	4 389	4 447	4 374	4 451	4 385	4 509	12 994	13 225	13 210	13 345	(X)
1986 ---	4 584	4 551	4 429	4 576	4 633	4 649	4 577	4 699	4 727	4 838	4 825	4 896	13 564	13 858	14 003	14 559	(X)
1987 ---	4 860	5 032	5 043	5 105	5 177	5 273	5 336	5 353	5 581	5 476	5 467	5 527	14 935	15 555	16 270	16 470	(X)
1988 ---	5 565	5 671	5 752	5 870	5 697	5 778	5 697	6 043	5 897	5 994	5 933	6 056	16 988	17 345	17 637	17 983	(X)
1989 ---	6 138	6 203	6 080	6 131	6 188	6 281	6 346	6 309	6 348	6 287	6 431	6 730	18 421	18 600	19 003	19 448	(X)
1990 ---	6 354	6 469	6 611	6 730	6 807	6 644	6 834	6 888	6 745	6 951	7 154	6 784	19 434	20 161	20 467	20 889	(X)
	Seasonally Adjusted—Percent Change From Previous Period																
1982 ---	-1.6	6.5	3.8	4.7	-1.3	-1.8	-3	4	1.9	-5.3	3.0	6	4.5	8.0	-1.1	-1.9	(X)
1983 ---	1.2	1.9	-2.0	1.5	3	1.5	2.2	6	1.4	6	1.0	8	3.2	1.4	4.1	2.7	(X)
1984 ---	-2.8	-1.0	4.5	6	1.5	1.8	2	4	1.0	-2.0	1.9	1.9	-1.2	4.9	2.5	7	(X)
1985 ---	-2.6	2.9	1.4	-4.0	3.7	4.8	-4.6	1.3	-1.6	1.8	-1.5	2.8	1.5	1.8	-1	1.0	(X)
1986 ---	1.7	-7	-2.7	3.3	1.2	3	-1.5	2.7	6	2.3	-3	1.5	1.6	2.2	1.0	4.0	(X)
1987 ---	-7	3.5	2	1.2	1.4	1.9	1.2	3	4.3	-1.9	-2	1.1	2.6	4.2	4.6	1.2	(X)
1988 ---	-7	1.9	1.4	2.1	-2.9	1.4	-1.4	6.1	-2.4	1.6	-1.0	2.1	3.1	2.1	1.7	2.0	(X)
1989 ---	1.4	1.1	-2.0	8	9	1.5	1.0	-6	6	-1.0	2.3	4.6	2.4	1.0	2.2	2.3	(X)
1990 ---	-5.6	1.8	2.2	1.8	1.1	-2.4	2.9	8	-2.1	3.1	2.9	-5.2	-1	3.8	1.4	2.1	(X)

Note: Data in this table may differ from annual data at the aggregate level shown in appendix D, table 1 because of independent rounding.

- Represents no change (X) Not applicable (NA) N ot available



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept	Oct	Nov	Dec	1st	2nd	3rd	4th	
ALL MANUFACTURING INDUSTRIES, TOTAL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	155 856	166 985	174 977	164 822	162 103	170 234	149 819	155 526	168 751	163 083	154 242	159 286	497 818	497 159	474 096	476 611	1 945 684
1983 ---	157 087	162 957	174 326	168 537	169 644	185 454	162 459	174 473	189 680	190 609	184 581	185 603	494 370	523 635	526 612	560 793	2 105 410
1984 ---	181 034	196 169	210 400	192 268	193 364	199 680	179 572	188 684	197 234	193 424	191 809	190 911	587 603	585 312	565 490	576 144	2 314 549
1985 ---	185 092	196 430	206 291	191 853	194 559	207 291	178 950	192 305	206 086	199 794	191 584	198 242	587 813	593 703	577 341	589 620	2 348 477
1986 ---	189 822	200 437	206 024	192 634	189 595	201 962	176 131	186 115	208 252	198 703	193 646	199 123	596 283	584 191	570 498	591 472	2 342 444
1987 ---	183 009	205 733	217 485	206 462	206 665	221 025	197 175	203 764	223 615	219 461	213 893	214 376	606 227	634 152	624 554	647 730	2 512 663
1988 ---	204 320	222 086	232 099	220 951	221 785	239 005	208 531	224 513	241 967	236 628	230 247	242 169	658 505	681 741	675 011	709 044	2 724 301
1989 ---	227 043	241 193	252 266	243 919	236 638	253 718	217 087	233 379	255 295	242 024	242 889	243 641	720 502	734 275	705 761	728 554	2 889 092
1990 ---	217 670	238 237	260 668	240 112	245 028	255 799	223 035	244 225	263 029	260 229	238 277	237 406	716 575	740 939	730 289	735 912	2 923 715
Seasonally Adjusted—Millions of Dollars																	
1982 ---	164 356	164 683	165 976	164 298	162 012	162 033	162 481	158 700	161 861	159 313	157 135	161 874	495 015	488 343	483 042	478 322	(X)
1983 ---	166 318	160 679	165 046	168 219	169 395	176 776	175 769	177 824	182 538	187 152	188 206	188 920	492 043	514 390	536 131	564 278	(X)
1984 ---	191 657	193 019	198 554	191 526	193 538	190 383	195 072	193 195	189 387	190 063	195 072	192 925	583 230	575 447	577 654	578 060	(X)
1985 ---	196 885	192 926	193 572	191 427	195 195	197 816	194 996	197 308	197 038	196 031	193 869	199 142	583 383	584 438	589 342	589 042	(X)
1986 ---	202 326	196 958	193 578	192 732	191 174	192 263	192 746	191 305	198 049	194 492	195 349	200 266	592 862	576 169	562 100	590 107	(X)
1987 ---	196 003	202 380	204 736	206 609	208 211	210 787	214 732	209 224	212 304	215 191	215 304	215 910	603 119	625 607	636 260	646 405	(X)
1988 ---	218 700	218 536	218 682	220 845	223 043	227 279	228 249	230 778	229 532	231 903	231 181	244 688	655 918	671 167	688 559	707 772	(X)
1989 ---	243 791	237 787	238 166	243 743	237 483	240 894	237 264	239 907	241 753	236 988	243 780	245 311	719 744	722 120	718 924	726 079	(X)
1990 ---	234 819	236 016	246 422	240 333	245 318	242 396	245 039	250 592	248 987	254 976	239 237	238 196	717 257	728 047	744 618	732 409	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.9	2	8	-1.0	-1.4	-	3	-2.3	2.0	-1.6	-1.4	3.0	2.2	-1.3	-1.1	-1.0	(X)
1983 ---	2.7	-3.4	2.7	1.9	7	4.4	-6	1.2	2.7	2.5	6	4	2.9	4.5	4.2	5.3	(X)
1984 ---	1.4	7	2.9	-3.5	1.1	-1.6	2.5	-1.0	-2.0	4	2.6	-1.1	3.4	-1.3	4	1	(X)
1985 ---	2.1	-2.0	3	-1.1	2.0	1.3	-1.4	1.2	-1	-5	-1.1	2.7	9	2	8	-1	(X)
1986 ---	1.6	-2.7	-1.7	-4	-8	6	3	-7	3.5	-1.8	4	2.5	6	-2.8	1.0	1.4	(X)
1987 ---	-2.1	3.3	1.2	9	8	1.2	1.9	-2.6	1.5	1.4	1	3	2.2	3.7	1.7	1.6	(X)
1988 ---	1.3	-1	1	1.0	1.0	1.9	4	1.1	-5	1.0	-3	5.8	1.5	2.3	2.6	2.8	(X)
1989 ---	-4	-2.5	2	2.3	-2.6	1.4	-1.5	1.1	8	-2.0	2.9	6	1.7	3	-4	1.0	(X)
1990 ---	-4.3	5	4.4	-2.5	2.1	-1.2	1.1	2.3	-6	2.4	-6.2	-4	-1.2	1.5	2.3	-1.6	(X)
ALL MANUFACTURING INDUSTRIES WITH UNFILLED ORDERS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	82 843	87 691	93 832	85 718	81 085	84 674	73 829	76 205	84 775	83 009	77 945	85 832	264 366	251 477	234 809	246 786	997 438
1983 ---	84 370	84 522	92 213	88 456	86 577	96 619	83 338	89 351	98 765	102 368	98 438	101 692	261 105	271 652	271 454	302 498	1 106 709
1984 ---	98 938	107 501	116 957	101 798	102 943	105 051	94 860	99 285	104 588	102 053	103 408	105 269	323 396	309 792	298 693	310 730	1 242 611
1985 ---	102 392	106 945	112 287	101 430	102 281	113 191	95 285	103 067	112 235	107 922	101 708	113 289	321 624	316 902	310 587	322 919	1 272 032
1986 ---	103 841	111 598	117 276	103 373	101 393	110 481	95 972	100 345	116 243	109 359	108 814	115 087	332 715	315 247	312 560	333 260	1 293 782
1987 ---	100 151	112 934	122 434	113 785	112 848	122 920	109 780	111 681	124 042	121 466	119 800	124 587	335 519	349 553	345 503	365 853	1 396 428
1988 ---	115 615	126 433	131 321	121 470	121 238	132 798	115 049	124 679	136 911	131 871	129 553	143 005	373 369	375 506	376 639	404 429	1 529 943
1989 ---	127 946	135 697	144 066	134 976	128 020	142 213	120 698	127 090	145 371	133 857	138 843	144 090	407 709	405 209	393 159	416 790	1 622 867
1990 ---	122 652	132 978	149 936	133 377	135 399	141 763	123 030	131 058	144 688	140 632	127 178	136 211	405 566	410 539	398 776	404 021	1 618 902
Seasonally Adjusted—Millions of Dollars																	
1982 ---	85 737	84 765	87 561	85 013	82 050	81 399	82 117	79 434	82 156	81 207	79 913	85 062	258 063	248 462	243 707	246 182	(X)
1983 ---	87 793	81 794	85 751	88 191	87 608	93 136	91 955	92 616	96 125	100 683	100 975	100 307	255 338	268 935	280 696	302 165	(X)
1984 ---	103 097	104 170	108 538	101 630	104 800	101 175	104 809	103 209	101 253	100 694	105 494	102 433	315 805	307 605	309 271	308 621	(X)
1985 ---	107 835	103 614	103 127	102 015	104 679	108 945	105 911	107 568	107 700	106 459	102 972	109 555	314 576	315 639	321 179	318 986	(X)
1986 ---	109 922	108 504	108 175	104 711	104 540	105 987	106 723	104 851	110 604	107 719	109 368	111 117	326 601	315 238	322 178	328 204	(X)
1987 ---	106 970	110 113	113 239	115 169	116 129	118 175	121 191	116 664	117 428	120 064	119 823	120 922	330 322	349 473	355 283	360 809	(X)
1988 ---	123 548	123 322	121 642	122 901	124 571	126 981	127 759	130 313	129 179	130 330	129 046	139 536	368 512	374 453	387 251	398 912	(X)
1989 ---	137 392	132 778	133 771	136 341	131 076	135 539	134 122	133 082	136 787	132 043	138 215	140 393	403 941	402 956	403 991	410 651	(X)
1990 ---	132 637	130 685	139 462	134 853	137 854	134 565	137 555	137 061	135 801	138 816	126 705	132 094	402 784	407 272	410 417	397 615	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	6.0	-1.1	3.3	-2.9	-3.5	-8	9	-3.3	3.4	-1.2	-1.6	6.4	3.3	-3.7	-1.9	1.0	(X)
1983 ---	3.2	-6.8	4.8	2.8	7	6.3	-1.3	7	3.8	4.9	1	7	3.7	5.3	4.4	7.6	(X)
1984 ---	2.8	1.0	4.2	-6.4	3.1	-3.5	3.6	-1.5	-1.9	-6	4.8	-2.9	4.5	-2.6	5	-2	(X)
1985 ---	5.3	-3.9	-5	-1.1	2.6	4.1	-2.8	1.6	1	-1.2	-3.3	6.4	1.9	3	1.8	-7	(X)
1986 ---	3	-1.3	-3	-3.2	-2	1.4	7	-1.8	5.5	-2.6	1.5	1.6	2.4	-3.5	2.2	1.9	(X)
1987 ---	-3.7	2.9	2.8	1.7	8	1.8	2.6	-3.7	7	2.2	-2	9	6	5.8	1.7	1.6	(X)
1988 ---	2.2	-2	-1.4	1.0	1.4	1.9	6	2.0	-9	9	-1.0	8.1	2.1	1.6	3.4	3.0	(X)
1989 ---	-1.5	-3.4	7	1.9	-3.9	3.4	-1.0	-8	2.8	-3.5	4.7	1.6	1.3	-2	3	1.6	(X)
1990 ---	-5.5	-1.5	6.7	-3.3	2.2	-2.4	2.2	-4	-9	2.2	-8.7	4.3	-1.9	1.1	8	-3.1	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb	March	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec	1st	2nd	3rd	4th	
DURABLE GOODS INDUSTRIES, TOTAL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	76 362	82 133	88 946	81 985	77 783	81 961	69 717	70 546	79 283	77 919	71 480	78 649	247 441	241 729	219 546	228 048	936 764
1983 ---	78 998	80 213	87 636	84 765	83 562	94 045	78 882	84 170	94 869	98 965	94 709	96 863	246 847	262 372	257 921	290 537	1 057 677
1984 ---	95 154	104 542	114 795	99 628	100 400	102 983	90 267	95 251	99 809	99 268	100 201	99 666	314 491	303 011	285 327	299 135	1 201 967
1985 ---	98 495	103 507	109 408	99 391	100 411	110 388	90 215	98 690	108 610	105 095	97 949	106 109	311 410	310 190	297 515	309 153	1 228 268
1986 ---	101 100	108 163	113 650	102 502	99 288	107 461	91 120	94 284	110 286	105 183	102 249	108 475	322 913	309 251	295 690	315 907	1 243 761
1987 ---	95 195	109 173	118 244	110 326	109 846	118 175	101 207	103 713	117 306	116 321	113 745	116 461	322 612	338 347	322 226	346 527	1 329 712
1988 ---	108 847	120 543	126 227	117 851	117 983	128 489	106 415	116 376	129 130	127 117	122 867	135 483	355 617	364 323	351 921	385 467	1 457 328
1989 ---	122 756	130 658	138 308	131 295	124 111	135 632	110 558	119 724	137 281	127 094	131 431	134 958	391 722	391 038	367 563	393 483	1 543 806
1990 ---	111 412	125 172	141 963	126 021	130 142	135 658	113 055	121 242	134 528	133 369	115 896	123 043	378 547	391 821	368 825	372 308	1 511 501
Seasonally Adjusted—Millions of Dollars																	
1982 ---	79 682	79 583	82 270	80 357	77 580	77 356	78 431	74 831	77 055	76 009	73 712	79 235	241 535	235 293	230 317	228 956	(X)
1983 ---	82 934	77 730	80 698	83 360	83 206	89 022	88 201	88 634	92 717	97 260	97 364	97 761	241 362	255 588	269 552	292 385	(X)
1984 ---	99 857	101 207	105 717	97 903	100 527	97 455	101 428	100 572	97 192	97 697	102 473	99 257	306 781	295 885	299 192	299 427	(X)
1985 ---	104 448	99 916	99 476	98 255	100 850	104 674	102 150	104 653	104 876	103 321	99 432	104 638	303 840	303 779	311 679	307 391	(X)
1986 ---	107 691	104 640	103 867	101 902	100 371	101 599	103 536	100 283	105 568	103 105	103 114	106 993	316 198	303 872	309 387	313 212	(X)
1987 ---	102 369	105 704	108 356	109 812	110 858	112 074	114 182	110 121	111 691	114 277	114 075	114 871	316 429	332 744	335 994	343 223	(X)
1988 ---	117 142	116 999	115 992	117 269	118 767	121 319	121 012	123 760	122 485	124 763	122 783	134 372	350 133	357 355	367 257	381 918	(X)
1989 ---	132 582	127 061	127 504	130 556	124 526	127 608	125 335	127 556	129 855	124 650	131 562	133 181	387 147	382 690	382 746	389 393	(X)
1990 ---	121 419	122 468	131 030	125 603	129 936	127 057	129 387	129 020	126 893	130 875	116 193	120 221	374 917	382 596	385 300	367 289	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.9	-1	3.4	-2.3	-3.5	-3	1.4	-4.6	3.0	-1.4	-3.0	7.5	2.6	-2.6	-2.1	-6	(X)
1983 ---	4.7	-6.3	3.8	3.3	-2	7.0	-9	5	4.6	4.9	1	4	5.4	5.9	5.5	8.5	(X)
1984 ---	2.1	1.4	4.5	-7.4	2.7	-3.1	4.1	-8	-3.4	5	4.9	-3.1	4.9	-3.6	1.1	1	(X)
1985 ---	5.2	-4.3	-4	-1.2	2.6	3.8	-2.4	2.5	2	-1.5	-3.8	5.2	1.5	-	2.6	-1.4	(X)
1986 ---	2.9	-2.8	-7	-1.9	-1.5	1.2	1.9	-3.1	5.3	-2.3	-	3.8	2.9	-3.9	1.8	1.2	(X)
1987 ---	-4.3	3.3	2.5	1.3	1.0	1.1	1.9	-3.6	1.4	2.3	-2	7	1.0	5.2	1.0	2.2	(X)
1988 ---	2.0	-1	-9	1.1	1.3	2.1	-3	2.3	-1.0	1.9	-1.6	9.4	2.0	2.1	2.8	4.0	(X)
1989 ---	-1.3	-4.2	3	2.4	-4.6	2.5	-1.8	1.8	1.8	-4.0	5.5	1.2	1.4	-1.2	-	1.7	(X)
1990 ---	-8.8	9	7.0	-4.1	3.4	-2.2	1.8	-3	-1.6	3.1	-11.2	3.5	-3.7	2.0	7	-4.7	(X)
DURABLE GOODS WITH UNFILLED ORDERS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	66 122	70 160	75 516	68 232	63 756	67 311	57 709	58 374	66 213	64 782	60 038	68 307	211 798	199 299	182 296	193 127	786 520
1983 ---	66 774	66 183	72 637	69 367	67 556	76 951	64 969	69 268	78 125	81 381	78 175	81 729	205 594	213 874	212 362	241 285	873 115
1984 ---	78 861	86 140	95 349	80 606	81 767	83 332	74 505	78 023	82 204	80 072	82 288	84 071	260 350	245 705	234 732	246 431	987 218
1985 ---	81 667	85 248	89 561	80 084	80 387	90 659	74 642	81 144	88 852	85 249	79 648	90 936	256 476	251 130	244 638	255 833	1 008 077
1986 ---	82 276	88 799	93 872	80 744	79 104	86 618	74 572	76 654	90 703	84 425	84 898	91 164	264 947	246 466	241 929	260 487	1 013 829
1987 ---	76 797	87 201	96 332	88 773	88 514	96 634	84 608	85 601	96 968	94 072	93 881	98 946	260 330	273 921	267 177	286 899	1 088 327
1988 ---	90 211	99 601	103 921	94 728	94 839	104 970	88 912	96 717	107 899	103 543	101 545	115 007	293 733	294 537	293 518	320 095	1 201 883
1989 ---	100 874	106 951	114 897	106 570	100 075	112 489	94 073	97 904	115 324	104 598	110 090	117 016	322 722	319 134	307 301	331 704	1 280 861
1990 ---	95 472	103 836	119 173	103 947	106 642	111 803	95 911	100 286	113 724	110 719	97 841	108 376	318 481	322 392	309 921	316 936	1 267 730
Seasonally Adjusted—Millions of Dollars																	
1982 ---	68 339	67 481	69 897	67 605	64 609	64 147	64 856	61 799	64 402	63 620	61 809	67 045	205 717	196 361	191 057	192 474	(X)
1983 ---	69 453	63 646	66 858	69 143	68 435	73 639	72 379	72 713	76 399	80 589	80 409	79 868	199 957	211 217	221 491	240 866	(X)
1984 ---	82 112	83 022	87 803	80 420	83 393	79 738	83 206	82 069	79 935	79 476	84 081	80 855	252 937	243 551	245 210	244 412	(X)
1985 ---	86 210	82 111	81 149	80 557	82 418	86 774	84 071	85 800	85 416	84 557	80 671	86 817	249 470	249 749	255 287	252 045	(X)
1986 ---	87 384	85 913	85 513	81 946	81 751	82 570	84 050	81 300	86 264	83 632	85 234	86 787	258 810	246 267	251 614	255 653	(X)
1987 ---	82 543	84 572	88 032	90 022	91 159	92 349	94 642	90 847	91 635	93 511	93 589	94 619	255 147	273 530	277 124	281 719	(X)
1988 ---	97 038	96 842	95 273	96 024	97 430	99 782	100 104	102 735	101 510	102 816	100 852	110 786	289 153	293 236	304 349	314 454	(X)
1989 ---	108 961	104 315	105 699	107 825	102 394	106 470	105 836	104 399	108 149	103 621	109 414	112 596	318 975	316 689	318 384	325 631	(X)
1990 ---	103 952	101 791	109 796	105 312	108 344	105 276	108 713	106 885	106 294	109 690	97 369	103 485	315 539	318 932	321 892	310 544	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	6.9	-1.3	3.6	-3.3	-4.4	-7	1.1	-4.7	4.2	-1.2	-2.8	8.5	3.6	-4.5	-2.7	7	(X)
1983 ---	3.6	-8.4	5.0	3.4	-1.0	7.6	-1.7	5	5.1	5.5	-2	-7	3.9	5.6	4.9	8.7	(X)
1984 ---	2.8	1.1	5.8	-8.4	3.7	-4.4	4.3	-1.4	-2.6	-6	5.8	-3.8	5.0	-3.7	7	-3	(X)
1985 ---	6.6	-4.8	-1.2	-7	2.3	5.3	-3.1	2.1	-4	-1.0	-4.6	7.6	2.1	-1	2.2	-1.3	(X)
1986 ---	7	-1.7	-5	-4.2	-2	1.0	1.8	-3.3	6.1	-3.1	1.9	1.8	2.7	-4.8	2.2	1.6	(X)
1987 ---	-4.9	2.5	4.1	2.3	1.3	1.3	2.5	-4.0	9	2.0	1	1.1	-2	7.2	1.3	1.7	(X)
1988 ---	2.6	-2	-1.6	8	1.5	2.4	3	2.6	-1.2	1.3	-1.9	9.9	2.6	1.4	3.8	3.3	(X)
1989 ---	-1.6	-4.3	1.3	2.0	-5.0	4.0	-6	-1.4	3.6	-4.2	5.6	2.9	1.4	-7	5	2.3	(X)
1990 ---	-7.7	-2.1	7.9	-4.1	2.9	-2.8	3.3	-1.7	-6	3.2	-11.2	6.3	-3.1	1.1	9	-3.5	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
STONE, CLAY, AND GLASS PRODUCTS, TOTAL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	3 025	3 348	3 609	3 601	3 869	3 874	3 607	3 691	3 955	3 778	3 506	3 091	9 992	11 344	11 253	10 375	42 954
1983 ---	3 430	3 641	3 854	3 994	4 096	4 465	3 950	4 331	4 496	4 450	4 129	3 567	10 925	12 555	12 777	12 146	48 403
1984 ---	3 902	4 492	4 587	4 524	4 592	4 626	4 453	4 848	4 673	4 744	4 467	4 114	12 981	13 742	13 974	13 325	54 022
1985 ---	3 949	4 558	4 627	4 858	4 812	5 125	4 651	4 905	5 045	5 130	4 520	4 445	13 134	14 795	14 601	14 095	56 625
1986 ---	4 593	4 865	5 145	5 049	5 081	5 483	4 755	5 086	5 361	5 120	4 856	4 172	14 603	15 613	15 202	14 148	59 566
1987 ---	4 463	5 052	5 323	5 170	5 171	5 209	4 945	5 204	5 422	5 776	5 138	4 339	14 838	15 550	15 571	15 253	61 212
1988 ---	4 723	5 115	5 200	5 387	5 503	5 777	5 005	5 641	5 658	5 579	5 497	4 556	15 038	16 667	16 304	15 632	63 641
1989 ---	4 786	5 203	4 995	5 490	5 544	5 678	4 866	5 409	5 683	5 701	5 361	4 581	14 984	16 712	15 958	15 643	63 297
1990 ---	4 652	5 201	5 235	5 579	5 425	5 837	5 117	5 711	5 675	5 467	4 748	4 170	15 088	16 841	16 503	14 385	62 817
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 426	3 490	3 540	3 529	3 730	3 576	3 636	3 536	3 745	3 546	3 592	3 602	10 456	10 835	10 917	10 740	(X)
1983 ---	3 904	3 771	3 785	3 904	3 941	4 126	3 986	4 147	4 243	4 209	4 239	4 161	11 460	11 971	12 376	12 609	(X)
1984 ---	4 430	4 613	4 491	4 403	4 429	4 260	4 528	4 646	4 401	4 515	4 589	4 775	13 534	13 092	13 575	13 879	(X)
1985 ---	4 488	4 625	4 515	4 718	4 658	4 742	4 771	4 687	4 743	4 933	4 619	5 129	13 628	14 118	14 201	14 681	(X)
1986 ---	5 195	4 900	5 024	4 897	4 935	5 087	4 937	4 852	5 045	4 913	4 922	4 863	15 119	14 919	14 834	14 698	(X)
1987 ---	5 030	5 109	5 218	5 026	5 018	4 820	5 176	4 954	5 094	5 508	5 158	5 078	15 357	14 864	15 224	15 744	(X)
1988 ---	5 289	5 179	5 117	5 249	5 339	5 360	5 280	5 348	5 310	5 325	5 485	5 340	15 582	15 948	15 938	16 150	(X)
1989 ---	5 399	5 275	4 926	5 361	5 376	5 249	5 164	5 092	5 341	5 420	5 324	5 339	15 600	15 986	15 597	16 083	(X)
1990 ---	5 275	5 302	5 174	5 449	5 251	5 405	5 424	5 384	5 350	5 208	4 699	4 861	15 751	16 105	16 158	14 768	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-6.9	1.9	1.4	-3	5.7	-4.1	1.7	-2.8	5.9	-5.3	1.3	.3	-5.5	3.6	.8	-1.6	(X)
1983 ---	8.4	-3.4	4	3.1	9	4.7	-3.4	4.0	2.3	-8	.7	-1.8	6.7	4.5	3.4	1.9	(X)
1984 ---	6.5	4.1	-2.6	-2.0	6	-3.8	6.3	2.6	-5.3	2.6	1.6	4.1	7.3	-3.3	3.7	2.2	(X)
1985 ---	-6.0	3.1	-2.4	4.5	-1.3	1.8	6	-1.8	1.2	4.0	-6.4	11.0	-1.8	3.6	.6	3.4	(X)
1986 ---	1.3	-5.7	2.5	-2.5	8	3.1	-2.9	-1.7	4.0	-2.6	2	-1.2	3.0	-1.3	-6	-9	(X)
1987 ---	3.4	1.6	2.1	-3.7	-2	-3.9	7.4	-4.3	2.8	8.1	-6.4	-1.6	4.5	-3.2	2.4	3.4	(X)
1988 ---	4.2	-2.1	-1.3	2.6	1.7	4	-1.5	1.3	-7	3	3.0	-2.6	-1.0	2.3	-1	1.3	(X)
1989 ---	1.1	-2.3	-6.6	8.8	3	-2.4	-1.6	-1.4	4.9	1.5	-1.8	.3	-3.4	2.5	-2.4	3.1	(X)
1990 ---	-1.2	5	-2.4	5.3	-3.6	2.9	.4	-7	-6	-2.7	-9.8	3.4	-2.1	2.2	.3	-8.6	(X)
PRIMARY METALS INDUSTRIES, TOTAL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	9 789	9 857	9 388	8 821	8 513	8 621	7 163	7 495	7 697	6 992	6 974	7 135	29 034	25 955	22 355	21 101	98 445
1983 ---	8 405	10 760	9 010	8 574	8 918	9 407	8 546	9 568	9 763	10 176	10 556	10 201	28 175	26 899	27 877	30 933	113 884
1984 ---	11 312	11 771	11 522	10 912	9 289	9 129	8 994	9 631	9 000	9 269	9 027	8 498	34 605	29 330	27 625	26 794	118 354
1985 ---	10 160	9 892	10 101	9 972	9 309	9 700	8 365	9 427	8 862	9 209	8 818	8 461	30 153	28 981	26 654	26 488	112 276
1986 ---	10 317	10 742	9 935	8 549	7 878	8 808	7 414	9 252	8 860	8 710	8 474	9 279	30 994	25 235	25 526	26 463	108 218
1987 ---	8 696	9 828	10 795	10 194	9 859	10 667	9 492	10 286	11 176	11 245	11 307	12 444	29 319	30 720	30 954	34 996	125 989
1988 ---	12 016	12 909	13 136	11 930	12 511	12 800	11 584	12 295	12 844	13 166	12 706	13 775	38 061	37 241	36 733	39 647	151 682
1989 ---	14 200	14 572	13 502	13 693	12 849	12 353	10 832	11 233	11 949	11 438	11 479	11 718	42 274	38 895	34 014	34 635	149 818
1990 ---	12 434	12 374	13 486	12 393	12 369	12 076	11 157	11 484	11 817	12 452	10 887	10 457	38 296	36 838	34 458	33 796	143 388
Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 977	8 855	8 420	8 744	8 707	8 686	8 100	7 736	7 883	7 098	7 327	7 499	26 252	26 137	23 719	21 924	(X)
1983 ---	7 780	9 877	8 113	8 431	9 122	9 450	9 527	9 765	10 063	10 407	11 056	10 859	25 770	27 003	29 355	32 322	(X)
1984 ---	10 403	10 709	10 374	10 687	9 697	9 186	10 055	9 783	9 310	9 442	9 402	9 039	31 486	29 570	29 148	27 883	(X)
1985 ---	9 414	8 984	9 148	9 720	9 627	9 731	9 353	9 585	9 191	9 360	9 146	8 868	27 546	29 078	28 129	27 374	(X)
1986 ---	9 678	9 802	9 032	8 383	8 205	8 826	8 313	9 458	9 168	8 800	8 768	9 564	28 512	25 414	26 939	27 132	(X)
1987 ---	8 124	8 942	9 940	9 921	10 116	10 764	10 559	10 631	11 549	11 454	11 711	12 621	27 006	30 801	32 739	35 786	(X)
1988 ---	11 343	11 776	12 114	11 723	12 646	12 839	12 888	12 875	13 141	13 407	13 100	13 886	35 233	37 208	38 904	40 393	(X)
1989 ---	13 611	13 366	12 437	13 478	12 884	12 406	12 134	11 932	12 127	11 581	11 826	11 789	39 414	38 768	36 193	35 196	(X)
1990 ---	11 982	11 360	12 469	12 177	12 299	12 103	12 411	12 219	11 993	12 653	11 190	10 459	35 831	36 579	36 623	34 302	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-10.2	-1.4	-4.9	3.8	-4	-2	-6.7	-4.5	1.9	-10.0	3.2	2.3	-14.8	-4	-9.3	-7.6	(X)
1983 ---	3.7	27.0	-17.9	3.9	8.2	3.6	8	2.5	3.1	3.4	6.2	-1.8	17.5	4.8	8.7	10.1	(X)
1984 ---	-4.2	2.9	-3.1	3.0	-9.3	-5.3	9.5	-2.7	-4.8	1.4	-4	-3.9	-2.6	-6.1	-1.4	-4.3	(X)
1985 ---	4.1	-4.6	1.8	6.3	-1.0	1.1	-3.9	2.5	-4.1	1.8	-2.3	-3.0	-1.2	5.6	-3.3	-2.7	(X)
1986 ---	9.1	1.3	-7.9	-7.2	-2.1	7.6	-5.8	13.8	-3.1	-4.0	-4	9.1	4.2	-10.9	6.0	.7	(X)
1987 ---	-15.1	10.1	11.2	-2	2.0	6.4	-1.9	7	8.6	-8	2.2	7.8	-5	14.1	6.3	9.3	(X)
1988 ---	-10.1	3.8	2.9	-3.2	7.9	1.5	4	-1	2.1	2.0	-2.3	6.0	-1.5	5.6	4.6	3.8	(X)
1989 ---	-2.0	-1.8	-7.0	8.4	-4.4	-3.7	-2.2	-1.7	1.6	-4.5	2.1	-3	-2.4	-1.6	-6.6	-2.8	(X)
1990 ---	1.6	-5.0	9.6	-2.3	1.0	-1.6	2.5	-1.5	-1.8	5.5	-11.6	-6.5	1.8	2.1	1	-6.3	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
BLAST FURNACES, STEEL MILLS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	4 599	4 711	4 351	3 964	3 718	3 634	3 145	3 110	3 101	2 831	2 848	3 001	13 661	11 316	9 356	8 680	43 013
1983 ---	3 426	5 032	3 784	3 576	3 719	3 822	3 768	4 090	4 421	4 632	4 502	4 351	12 242	11 117	12 279	13 485	49 123
1984 ---	5 169	5 278	5 181	4 480	3 715	3 562	3 782	4 067	3 571	4 051	3 964	3 899	15 628	11 757	11 420	11 914	50 719
1985 ---	4 644	4 617	4 441	4 288	3 766	3 939	3 697	4 289	3 638	4 097	3 968	3 695	13 702	11 993	11 624	11 760	49 079
1986 ---	4 351	4 834	4 515	3 616	3 245	3 663	3 121	4 179	3 782	3 472	3 499	4 131	13 700	10 524	11 082	11 102	46 408
1987 ---	3 641	4 399	4 667	4 750	3 985	4 468	4 251	4 584	4 496	4 575	5 299	5 648	12 707	13 203	13 331	15 522	54 763
1988 ---	5 207	5 801	5 662	5 202	5 466	5 235	4 985	4 993	5 281	4 956	5 049	5 887	16 670	15 903	15 259	15 892	63 724
1989 ---	6 443	6 255	5 066	5 300	4 923	4 473	4 311	4 395	4 626	4 846	4 694	5 126	17 764	14 696	13 332	14 666	60 458
1990 ---	5 481	5 217	5 206	5 110	5 235	4 841	4 619	4 804	4 604	4 965	4 105	4 014	15 904	15 186	14 027	13 084	58 201
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 071	4 079	3 834	3 941	3 955	3 785	3 552	3 264	3 305	2 839	2 955	3 110	11 984	11 681	10 121	8 904	(X)
1983 ---	3 040	4 487	3 339	3 546	3 954	3 989	4 174	4 209	4 749	4 693	4 684	4 556	10 866	11 489	13 132	13 933	(X)
1984 ---	4 579	4 561	4 619	4 412	4 129	3 786	4 207	4 139	3 879	4 062	4 114	4 064	13 759	12 327	12 225	12 237	(X)
1985 ---	3 194	3 972	4 036	4 159	4 103	4 128	4 080	4 360	3 969	4 145	4 114	3 750	12 202	12 390	12 409	12 009	(X)
1986 ---	3 961	4 161	4 191	3 499	3 568	3 834	3 475	4 281	4 126	3 529	3 618	4 080	12 313	10 901	11 882	11 227	(X)
1987 ---	3 237	3 745	4 406	4 530	4 284	4 728	4 681	4 765	4 898	4 727	5 518	5 469	11 398	13 542	14 344	15 714	(X)
1988 ---	4 636	4 983	5 447	5 006	5 653	5 489	5 503	5 287	5 653	5 163	5 220	5 673	15 066	16 148	16 443	16 056	(X)
1989 ---	5 825	5 483	4 920	5 135	5 014	4 722	4 799	4 704	4 870	5 048	4 855	4 968	16 228	14 871	14 373	14 871	(X)
1990 ---	4 923	4 684	5 014	4 949	5 204	5 062	5 103	5 160	4 857	5 223	4 204	3 786	14 621	15 215	15 120	13 213	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-17.6	.2	-6.0	2.8	4	-4.3	-6.2	-8.1	1.3	-14.1	4.1	5.2	-19.9	-2.5	-13.4	-12.0	(X)
1983 ---	-2.3	47.6	-25.6	6.2	11.5	.9	4.6	8	12.8	-1.2	-2	-2.7	22.0	5.7	14.3	6.1	(X)
1984 ---	5	-4	1.3	-4.5	-6.4	-8.3	11.1	-1.6	-6.3	4.7	1.2	-1.1	-1.2	-10.4	-8	1	(X)
1985 ---	3.2	-5.3	1.6	3.0	-1.3	.6	-1.2	6.9	-9.0	4.4	-7	-8.8	-3	1.5	2	-3.2	(X)
1986 ---	5.6	5.0	.7	-16.5	2.0	7.5	-9.4	23.2	-3.6	-14.5	2.5	12.8	2.5	-11.5	9.0	-5.5	(X)
1987 ---	-20.7	15.7	17.7	2.8	-5.4	10.4	-1.0	1.8	2.8	-3.5	16.7	-9	1.4	18.9	5.9	9.6	(X)
1988 ---	-15.2	7.5	9.3	-8.1	12.9	-2.9	3	-3.9	6.9	-8.7	1.1	8.7	-4.1	7.2	1.8	-2.4	(X)
1989 ---	2.7	-5.9	-10.3	4.4	-2.4	-5.8	1.6	-2.0	3.5	3.7	-3.8	2.3	1.1	-8.4	-3.3	3.5	(X)
1990 ---	-9	-4.9	7.0	-1.3	5.2	-2.7	8	1.1	-5.9	7.5	-19.5	-9.9	-1.7	4.1	-6	-12.6	(X)
IRON AND STEEL FOUNDRIES—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	838	808	795	758	804	851	708	642	569	635	591	491	2 441	2 413	1 919	1 717	8 490
1983 ---	624	653	672	748	813	819	708	736	853	891	875	803	1 949	2 380	2 297	2 569	9 195
1984 ---	991	1 043	1 054	1 019	989	1 061	929	1 014	932	970	897	706	3 088	3 069	2 875	2 573	11 605
1985 ---	939	872	1 005	981	1 019	912	818	872	900	1 005	938	661	2 816	2 912	2 590	2 604	10 922
1986 ---	968	947	901	1 014	837	936	742	817	796	1 029	789	740	2 816	2 787	2 355	2 558	10 516
1987 ---	881	871	860	896	947	894	839	927	1 022	1 010	1 018	759	2 612	2 737	2 788	2 787	10 924
1988 ---	940	1 006	1 063	1 050	1 073	1 104	933	1 026	1 140	1 152	1 028	905	3 009	3 227	3 099	3 085	12 420
1989 ---	1 182	1 106	1 039	1 193	1 078	1 019	784	968	1 001	1 022	904	739	3 327	3 290	2 753	2 665	12 035
1990 ---	909	950	1 201	1 089	1 039	1 092	877	1 155	968	1 071	885	562	3 060	3 220	3 010	2 518	11 808
Seasonally Adjusted—Millions of Dollars																	
1982 ---	807	781	737	746	750	823	766	683	574	597	600	587	2 325	2 319	2 023	1 784	(X)
1983 ---	609	634	630	724	769	770	772	770	861	844	885	966	1 873	2 263	2 403	2 695	(X)
1984 ---	991	1 016	993	978	944	989	1 009	1 055	944	907	902	879	3 000	2 911	3 008	2 688	(X)
1985 ---	927	844	950	934	986	846	902	906	914	937	940	827	2 721	2 766	2 722	2 704	(X)
1986 ---	948	918	859	955	821	877	827	845	806	956	789	915	2 725	2 653	2 478	2 660	(X)
1987 ---	855	843	821	834	933	839	941	945	1 027	925	1 022	952	2 519	2 606	2 913	2 899	(X)
1988 ---	915	976	1 024	969	1 053	1 042	1 053	1 036	1 133	1 055	1 038	1 129	2 915	3 064	3 222	3 222	(X)
1989 ---	1 175	1 068	1 001	1 100	1 060	965	904	972	986	930	922	938	3 244	3 125	2 862	2 790	(X)
1990 ---	890	914	1 162	996	1 021	1 043	1 010	1 169	950	982	908	747	2 966	3 060	3 129	2 637	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.3	-3.2	-5.6	1.2	5	9.7	-6.9	-10.8	-16.0	4.0	5	-2.2	-15.5	-3	-12.8	-11.8	(X)
1983 ---	3.7	4.1	-6	14.9	6.2	1	3	-3	11.8	-2.0	4.9	9.2	5.0	20.8	6.2	12.2	(X)
1984 ---	2.6	2.5	-2.3	-1.5	-3.5	4.8	2.0	4.6	-10.5	-3.9	-6	-2.5	11.3	-3.0	3.3	-10.6	(X)
1985 ---	5.5	-9.0	12.6	-1.7	5.6	-14.2	6.6	4	9	2.5	3	-12.0	1.2	1.7	-1.6	-7	(X)
1986 ---	14.6	-3.2	-6.4	11.2	-14.0	6.8	-5.7	2.2	-4.6	18.6	-17.5	16.0	8	-2.6	-6.6	7.3	(X)
1987 ---	-6.6	-1.4	-2.6	1.6	11.9	-10.1	12.2	4	8.7	-9.9	10.5	-6.8	-5.3	3.5	11.8	-5	(X)
1988 ---	-3.9	6.7	4.9	-5.4	8.7	-1.0	1.1	-1.6	9.4	-6.9	-1.6	8.8	6	5.1	5.2	-	(X)
1989 ---	4.1	-9.1	-6.3	9.9	-3.6	-9.0	-6.3	7.5	1.4	-5.7	-9	1.7	7	-3.7	-8.4	-2.5	(X)
1990 ---	-5.1	2.7	27.1	-14.3	2.5	2.2	-3.2	15.7	-18.7	3.4	-7.5	-17.7	6.3	3.2	2.3	-15.7	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
NONFERROUS AND OTHER PRIMARY METALS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	4 352	4 338	4 242	4 099	3 991	4 136	3 310	3 743	4 027	3 526	3 535	3 643	12 932	12 226	11 080	10 704	46 942
1983 ---	4 355	5 075	4 554	4 250	4 386	4 766	4 070	4 742	4 489	4 653	5 179	5 047	13 984	13 402	13 301	14 879	55 566
1984 ---	5 152	5 450	5 287	5 413	4 585	4 506	4 283	4 550	4 497	4 248	4 166	3 893	15 889	14 504	13 330	12 307	56 030
1985 ---	4 577	4 403	4 655	4 703	4 524	4 849	3 850	4 266	4 324	4 107	3 912	4 105	13 635	14 076	12 440	12 124	52 275
1986 ---	4 998	4 961	4 519	3 919	3 796	4 209	3 551	4 256	4 282	4 209	4 186	4 408	14 478	11 924	12 089	12 803	51 294
1987 ---	4 174	4 558	5 268	4 548	4 927	5 305	4 402	4 775	5 658	5 660	4 990	6 037	14 000	14 780	14 835	16 687	60 302
1988 ---	5 869	6 102	6 411	5 678	5 972	6 461	5 676	6 276	6 423	7 058	6 629	6 983	18 382	18 111	18 375	20 670	75 538
1989 ---	6 575	7 211	7 397	7 200	6 848	6 861	5 737	5 870	6 322	5 570	5 881	5 853	21 183	20 909	17 929	17 304	77 325
1990 ---	6 044	6 207	7 081	6 194	6 095	6 143	5 661	5 515	6 245	6 416	5 897	5 881	19 332	18 432	17 421	18 194	73 379
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 099	3 995	3 849	4 057	4 002	4 078	3 782	3 789	4 004	3 662	3 772	3 802	11 943	12 137	11 575	11 236	(X)
1983 ---	4 131	4 756	4 144	4 161	4 399	4 691	4 581	4 786	4 453	4 870	5 487	5 337	13 031	13 251	13 820	15 694	(X)
1984 ---	4 833	5 132	4 762	5 297	4 624	4 411	4 839	4 589	4 487	4 473	4 389	4 096	14 727	14 332	13 915	12 958	(X)
1985 ---	4 293	4 168	4 162	4 627	4 538	4 757	4 371	4 319	4 308	4 278	4 092	4 291	12 623	13 922	12 998	12 661	(X)
1986 ---	4 769	4 723	3 982	3 929	3 816	4 115	4 011	4 332	4 236	4 315	4 361	4 569	13 474	11 860	12 579	13 245	(X)
1987 ---	4 032	4 354	4 713	4 557	4 899	5 197	4 937	4 921	5 624	5 802	5 171	6 200	13 099	14 653	15 482	17 173	(X)
1988 ---	5 792	5 817	5 643	5 748	5 940	6 308	6 332	6 552	6 355	7 189	6 842	7 084	17 252	17 936	19 239	21 115	(X)
1989 ---	6 611	6 815	6 516	7 243	6 810	6 719	6 431	6 256	6 271	5 603	6 049	5 883	19 942	20 772	18 958	17 535	(X)
1990 ---	6 169	5 782	6 293	6 232	6 074	5 998	6 298	5 890	6 186	6 448	6 078	5 926	18 244	18 304	18 374	18 452	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-4.0	-2.5	-3.7	5.4	-1.4	1.9	-7.3	2	5.7	-8.5	3.0	.8	-8.8	1.6	-4.6	-2.9	(X)
1983 ---	8.7	15.1	-12.9	4	5.7	6.6	-2.3	4.5	-7.0	9.4	12.7	-2.7	16.0	1.7	4.3	13.6	(X)
1984 ---	-9.4	6.2	-7.2	11.2	-12.7	-4.6	9.7	-5.2	-2.2	-3	-1.9	-6.7	-6.2	-2.7	-2.9	-6.9	(X)
1985 ---	4.8	-2.9	-1	11.2	-1.9	4.8	-8.1	-1.2	-3	-7	-4.3	4.9	-2.6	10.3	-6.6	-2.6	(X)
1986 ---	11.1	-1.0	-15.7	-1.3	-2.9	7.8	-2.5	8.0	-2.2	1.9	1.1	4.8	6.4	-12.0	6.1	5.3	(X)
1987 ---	-11.8	8.0	8.2	-3.3	7.5	6.1	-5.0	-3	14.3	3.2	-10.9	19.9	-1.1	11.9	5.7	10.9	(X)
1988 ---	-6.6	4	-3.0	1.9	3.3	6.2	4	3.5	-3.0	13.1	-4.8	3.5	5	4.3	6.9	9.8	(X)
1989 ---	-6.7	3.1	-4.4	11.2	-6.0	-1.3	-4.3	-2.7	2	-10.7	8.0	-2.7	-5.6	4.2	-8.7	-7.5	(X)
1990 ---	4.9	-6.3	8.8	-1.0	-2.5	-1.3	5.0	-6.5	5.0	4.2	-5.7	-2.5	4.0	3	4	.4	(X)
FABRICATED METAL PRODUCTS, TOTAL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	8 899	9 707	11 585	9 764	10 162	10 536	9 042	9 410	9 562	9 190	7 995	7 547	30 191	30 462	28 014	24 732	113 399
1983 ---	8 915	9 455	10 778	9 714	10 419	10 995	9 543	10 193	11 266	11 066	10 391	10 025	29 148	31 128	31 002	31 482	122 760
1984 ---	10 984	12 180	12 523	11 539	12 119	12 578	10 843	12 240	12 294	11 791	12 060	10 499	35 687	36 236	35 377	34 350	141 650
1985 ---	11 331	11 543	12 936	11 441	11 856	12 157	10 966	12 209	12 694	12 060	12 383	10 724	35 810	35 454	35 869	35 167	142 300
1986 ---	10 950	12 137	11 983	12 437	12 170	13 004	10 891	11 641	12 482	12 088	11 944	11 814	35 070	37 611	35 014	35 846	143 541
1987 ---	10 953	12 633	13 396	12 379	12 938	13 994	11 827	12 435	13 151	12 869	12 394	11 747	36 982	39 311	37 413	37 010	150 716
1988 ---	11 067	13 174	13 807	12 928	13 747	14 067	12 099	12 696	13 673	13 733	13 242	13 148	38 048	40 742	38 468	40 123	157 381
1989 ---	12 950	15 191	15 430	14 758	14 558	16 073	13 309	14 455	15 699	15 960	14 779	14 390	43 571	45 389	43 463	45 129	177 552
1990 ---	13 788	15 518	17 117	15 823	16 204	16 857	14 972	15 203	17 064	15 697	14 362	14 444	46 423	48 884	47 239	44 503	187 049
Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 710	9 374	10 565	9 550	9 909	9 819	9 764	9 442	9 280	9 090	8 364	8 393	29 649	29 278	28 486	25 847	(X)
1983 ---	9 740	9 160	9 893	9 585	10 141	10 250	10 210	10 181	10 928	10 853	10 805	11 065	28 793	29 976	31 319	32 723	(X)
1984 ---	11 932	11 843	11 572	11 428	11 780	11 734	11 627	12 203	11 970	11 554	12 459	11 550	35 347	34 942	35 800	35 563	(X)
1985 ---	12 313	11 209	12 005	11 346	11 486	11 339	11 776	12 193	12 352	11 739	12 746	11 712	35 527	34 171	36 321	36 197	(X)
1986 ---	11 964	11 803	11 115	12 331	11 787	12 199	11 693	11 685	12 145	11 743	12 252	12 734	34 882	36 317	35 523	36 729	(X)
1987 ---	12 032	12 335	12 456	12 223	12 531	13 220	12 658	12 576	12 811	12 527	12 731	12 588	36 823	37 974	38 045	37 846	(X)
1988 ---	12 259	12 882	12 788	12 739	13 327	13 205	12 937	12 935	13 277	13 333	13 633	14 091	37 929	39 271	39 149	41 057	(X)
1989 ---	14 347	14 857	14 251	14 498	14 059	15 149	14 340	14 795	15 163	15 438	15 311	15 496	43 455	43 706	44 298	46 245	(X)
1990 ---	15 240	15 177	15 831	15 524	15 634	15 848	16 093	15 577	16 503	15 156	14 879	15 532	46 248	47 006	48 173	45 567	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-2.3	-3.5	12.7	-9.6	3.8	-9	-6	-3.3	-1.7	-2.0	-8.0	3	3.0	-1.3	-2.7	-9.3	(X)
1983 ---	16.0	-6.0	8.0	-3.1	5.8	1.1	-4	-3	7.3	-7	-4	2.4	11.4	4.1	4.5	4.5	(X)
1984 ---	7.8	-7	-2.3	-1.2	3.1	-4	-9	5.0	-1.9	-3.5	7.8	-7.3	8.0	-1.1	2.5	-7	(X)
1985 ---	6.6	-9.0	7.1	-5.5	1.2	-1.3	3.9	3.5	1.3	-5.0	8.6	-8.1	-1	-3.8	6.3	-3	(X)
1986 ---	2.2	-1.3	-5.8	10.9	-4.4	3.5	-4.1	-1	3.9	-3.3	4.3	3.9	-3.6	4.1	-2.2	3.4	(X)
1987 ---	-5.5	2.5	1.0	-1.9	2.5	5.5	-4.3	-6	1.9	-2.2	1.6	-1.1	3	3.1	2	-5	(X)
1988 ---	-2.6	5.1	-7	-4	4.6	-9	-2.0	-	2.6	4	2.3	3.4	2	3.5	-3	4.9	(X)
1989 ---	1.8	3.6	-4.1	1.7	-3.0	7.8	-5.3	3.2	2.5	1.8	-8	1.2	5.8	6	1.4	4.4	(X)
1990 ---	-1.7	-4	4.3	-1.9	7	1.4	1.5	-3.2	5.9	-8.2	-1.8	4.4	-	1.6	2.5	-5.4	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	14 583	16 016	16 194	15 285	13 785	14 739	11 944	11 985	13 998	13 907	12 902	13 936	46 793	43 809	37 927	40 745	169 274
1983 ---	11 989	12 762	15 373	14 345	14 481	16 286	13 033	13 754	16 987	16 896	15 483	17 490	40 124	45 112	43 774	49 869	178 879
1984 ---	16 293	17 384	19 593	17 042	18 541	19 460	15 844	16 004	18 279	17 566	17 637	18 466	53 270	55 043	50 127	53 689	212 109
1985 ---	14 670	20 636	21 309	17 140	17 787	20 048	15 758	16 819	19 275	17 754	18 083	19 116	56 615	54 975	51 852	54 953	218 395
1986 ---	15 449	19 057	18 865	17 148	17 171	19 703	15 057	15 680	18 431	16 204	17 187	18 615	53 371	54 022	49 168	52 006	208 567
1987 ---	15 282	18 096	19 076	17 910	18 163	20 287	16 793	17 262	20 389	18 885	18 294	20 734	52 454	56 360	54 444	57 913	221 171
1988 ---	17 539	19 832	22 184	20 343	20 182	23 309	18 453	20 762	22 839	20 073	20 525	22 673	59 555	63 834	62 054	63 271	248 714
1989 ---	19 665	21 535	23 794	21 909	21 823	26 335	18 143	20 321	24 528	20 420	21 342	23 083	64 994	70 067	62 992	64 845	262 898
1990 ---	19 794	21 588	24 453	21 174	21 553	24 270	19 919	19 599	24 247	21 454	21 126	22 266	65 835	66 997	63 765	64 846	261 443
Seasonally Adjusted—Millions of Dollars																	
1982 ---	15 381	15 791	14 824	15 091	13 933	13 453	13 715	13 300	13 402	14 011	13 205	12 786	45 996	42 477	40 417	40 002	(X)
1983 ---	12 980	12 712	14 010	14 357	14 477	14 921	14 937	15 043	16 319	17 094	15 875	16 288	39 702	43 755	46 299	49 257	(X)
1984 ---	17 756	17 313	17 845	17 009	18 478	17 688	18 216	17 509	17 293	17 828	18 035	16 895	52 914	53 175	53 018	52 758	(X)
1985 ---	16 467	20 563	19 311	17 196	17 758	18 067	18 061	18 360	18 222	18 047	18 554	17 597	56 341	53 021	54 543	54 198	(X)
1986 ---	17 390	18 925	16 957	17 274	17 252	17 600	17 112	17 058	17 178	16 496	17 648	17 124	53 272	52 126	51 348	51 268	(X)
1987 ---	17 263	18 020	17 285	18 114	18 309	18 171	19 104	18 665	18 947	19 302	18 776	19 230	52 568	54 594	56 716	57 308	(X)
1988 ---	19 756	19 889	20 123	20 517	20 484	20 810	20 863	22 327	21 178	20 518	21 195	20 808	59 768	61 811	64 368	62 521	(X)
1989 ---	22 094	21 693	21 575	22 042	22 200	23 492	20 645	21 892	22 703	20 814	22 135	21 118	65 362	67 734	65 240	64 067	(X)
1990 ---	22 348	21 909	22 101	21 284	21 878	21 427	22 400	21 065	22 398	21 904	21 984	20 492	66 358	64 589	65 863	64 380	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1	2.7	-6.1	1.8	-7.7	-3.4	1.9	-3.0	8	4.5	-5.8	-3.2	-5.1	-7.7	-4.8	-1.0	(X)
1983 ---	1.5	-2.1	10.2	2.5	8	3.1	1	7	8.5	4.7	-7.1	2.6	-7	10.2	5.8	6.4	(X)
1984 ---	9.0	-2.5	3.1	-4.7	8.6	-4.3	3.0	-3.9	-1.2	3.1	1.2	-6.3	7.4	5	-3	-5	(X)
1985 ---	-2.5	24.9	-6.1	-11.0	3.3	1.7	-	1.7	-1.3	-4	2.8	-5.2	6.8	-5.9	2.9	-6	(X)
1986 ---	-1.2	8.8	-10.4	1.9	-1	2.0	-2.8	-3	7	-4.0	7.0	-3.0	-1.7	-2.2	-1.5	-2	(X)
1987 ---	8	4.4	-4.1	4.8	1.1	-8	5.1	-2.3	1.5	1.9	-2.7	2.4	2.5	3.9	3.9	1.0	(X)
1988 ---	2.7	7	1.2	2.0	-2	1.6	3	7.0	-5.1	-3.1	3.3	-1.8	4.3	3.4	4.1	-2.9	(X)
1989 ---	6.2	-1.8	-5	2.2	7	5.8	-12.1	6.0	3.7	-8.3	6.3	-4.6	4.5	3.6	-3.7	-1.8	(X)
1990 ---	5.8	-2.0	9	-3.7	2.8	-2.1	4.5	-6.0	6.3	-2.2	4	-6.8	3.6	-2.7	2.0	-2.3	(X)
ENGINES AND TURBINES—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	890	1 144	1 093	829	1 102	843	734	935	828	1 145	660	-85	3 127	2 774	2 497	1 720	10 118
1983 ---	732	851	971	863	1 138	836	834	926	1 003	1 526	1 084	964	2 554	2 837	2 763	3 574	11 728
1984 ---	822	985	1 159	1 001	895	1 188	1 485	1 029	1 227	977	982	1 215	2 966	3 084	3 741	3 174	12 965
1985 ---	856	1 211	1 394	1 145	1 121	1 422	1 192	1 315	1 155	1 192	1 331	1 385	3 461	3 688	3 662	3 908	14 719
1986 ---	939	1 206	1 321	1 093	1 154	1 125	915	981	1 297	1 048	886	1 201	3 466	3 372	3 193	3 135	13 166
1987 ---	770	1 052	1 376	1 085	1 201	1 234	1 131	1 292	1 442	1 358	1 298	1 376	3 198	3 520	3 865	4 032	14 615
1988 ---	940	1 097	1 236	1 154	1 322	1 546	1 161	1 433	1 722	1 409	1 393	1 178	3 273	4 022	4 316	3 980	15 591
1989 ---	1 241	1 714	1 481	1 282	1 502	2 730	1 030	1 500	1 722	1 382	1 609	1 917	4 436	5 514	4 252	4 908	19 110
1990 ---	1 388	1 492	1 400	1 045	1 403	1 494	1 724	1 332	1 771	1 418	1 454	1 500	4 280	3 942	4 827	4 372	17 421
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 003	1 194	944	847	1 118	813	737	863	780	1 134	707	-81	3 141	2 778	2 380	1 760	(X)
1983 ---	865	900	844	910	1 140	829	829	862	947	1 538	1 126	956	2 609	2 879	2 638	3 620	(X)
1984 ---	1 012	1 026	969	1 033	870	1 144	1 570	984	1 145	1 014	1 004	1 105	3 007	3 047	3 699	3 123	(X)
1985 ---	1 108	1 268	1 180	1 206	1 118	1 371	1 292	1 301	1 076	1 214	1 329	1 231	3 556	3 695	3 669	3 774	(X)
1986 ---	1 194	1 278	1 122	1 163	1 174	1 060	1 001	955	1 200	1 050	881	928	3 594	3 397	3 156	2 859	(X)
1987 ---	968	1 104	1 248	1 190	1 244	1 167	1 295	1 296	1 324	1 352	1 263	1 094	3 320	3 601	3 915	3 709	(X)
1988 ---	1 169	1 152	1 135	1 278	1 365	1 483	1 320	1 457	1 595	1 402	1 357	667	3 456	4 126	4 372	3 426	(X)
1989 ---	1 507	1 789	1 426	1 453	1 547	2 640	1 169	1 488	1 563	1 362	1 530	1 380	4 722	5 640	4 220	4 272	(X)
1990 ---	1 597	1 585	1 411	1 222	1 437	1 400	1 834	1 273	1 604	1 362	1 389	1 146	4 593	4 059	4 711	3 897	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	11.7	19.0	-20.9	-10.3	32.0	-27.3	-9.3	17.1	-9.6	45.4	-37.7	-111.6	1.4	-11.6	-14.3	-26.1	(X)
1983 ---	-1 154.8	4.0	-6.2	7.8	25.3	-27.3	-	4.0	9.9	62.4	-26.8	-15.1	48.3	10.3	-8.4	37.2	(X)
1984 ---	5.9	1.4	-5.6	6.6	-15.8	31.5	37.2	-37.3	16.4	-11.4	-1.0	10.1	-16.9	1.3	21.4	-15.6	(X)
1985 ---	3	14.4	-6.9	2.2	-7.3	22.6	-5.8	7	-17.3	12.8	9.5	-7.4	13.9	3.9	-7	2.9	(X)
1986 ---	-3.0	7.0	-12.2	3.7	9	-9.7	-5.6	-4.6	25.7	-12.5	-16.1	5.3	-4.8	-5.5	-7.1	-9.4	(X)
1987 ---	4.3	14.0	13.0	-4.6	4.5	-6.2	11.0	1	2.2	2.1	-6.6	-13.4	16.1	8.5	8.7	-5.3	(X)
1988 ---	6.9	-1.5	-1.5	12.6	8.6	8.6	-11.0	10.4	9.5	-12.1	-3.2	-50.8	-6.8	19.4	6.0	-21.6	(X)
1989 ---	125.9	18.7	-20.3	1.9	6.5	70.7	-55.7	27.3	5.0	-12.9	12.3	-9.8	37.8	19.4	-25.2	1.2	(X)
1990 ---	15.7	-8	-11.0	-13.4	17.6	-2.6	31.0	-30.6	26.0	-15.1	2.0	-17.5	7.5	-11.6	16.1	-17.3	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
CONSTRUCTION, MINING, AND MATERIAL HANDLING EQUIPMENT—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	2 730	2 799	2 458	1 941	1 869	2 365	2 175	1 801	2 313	1 900	2 019	1 675	7 987	6 175	6 289	5 594	26 045
1983	1 648	1 770	1 765	1 912	2 103	2 233	2 164	1 934	2 265	2 218	2 248	2 274	5 183	6 248	6 363	6 740	24 534
1984	2 109	2 477	2 437	2 243	2 566	2 567	2 303	1 802	2 347	2 348	2 155	2 053	7 023	7 376	6 452	6 556	27 407
1985	2 074	2 074	2 679	2 429	2 264	2 435	2 526	2 137	2 544	2 368	2 461	2 400	6 827	7 128	7 207	7 229	28 391
1986	2 177	2 291	2 120	2 160	2 172	1 951	1 915	1 715	1 753	1 868	2 103	2 086	6 588	6 283	5 383	6 057	24 311
1987	1 378	2 002	2 007	2 033	1 976	2 005	2 501	1 873	2 315	2 129	2 264	2 567	5 387	6 014	6 689	6 960	25 050
1988	2 004	2 360	2 698	2 516	2 242	2 453	2 592	2 214	2 444	2 465	2 372	2 641	7 062	7 211	7 250	7 478	29 001
1989	2 376	2 466	3 156	2 900	2 483	2 709	2 433	2 414	2 531	2 702	2 856	2 496	7 998	8 092	7 378	8 054	31 522
1990	2 826	2 765	2 915	2 948	2 582	3 044	2 457	2 328	2 455	2 967	3 019	2 491	8 506	8 574	7 240	8 477	32 797
Seasonally Adjusted—Millions of Dollars																	
1982	2 802	2 621	2 431	1 946	1 962	2 230	2 175	2 043	2 233	1 857	2 030	1 659	7 854	6 138	6 451	5 546	(X)
1983	1 736	1 682	1 748	1 928	2 104	2 120	2 126	2 168	2 187	2 206	2 231	2 279	5 166	6 152	6 481	6 716	(X)
1984	2 263	2 389	2 407	2 251	2 528	2 443	2 221	2 091	2 260	2 362	2 122	2 045	7 059	7 222	6 572	6 529	(X)
1985	2 251	2 004	2 613	2 411	2 215	2 346	2 410	2 465	2 476	2 393	2 432	2 361	6 868	6 972	7 351	7 186	(X)
1986	2 421	2 231	2 012	2 097	2 157	1 882	1 794	1 987	1 713	1 907	2 084	2 029	6 664	6 136	5 494	6 020	(X)
1987	1 560	1 967	1 865	1 948	2 001	1 937	2 379	2 152	2 324	2 167	2 249	2 496	5 392	5 886	6 855	6 912	(X)
1988	2 248	2 335	2 486	2 385	2 315	2 368	2 456	2 509	2 497	2 508	2 365	2 535	7 069	7 068	7 462	7 408	(X)
1989	2 634	2 448	2 878	2 740	2 613	2 601	2 307	2 743	2 628	2 719	2 872	2 395	7 960	7 954	7 678	7 986	(X)
1990	3 090	2 760	2 589	2 772	2 727	2 908	2 342	2 654	2 556	2 982	3 046	2 416	8 439	8 407	7 552	8 444	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-11.9	-6.5	-7.2	-20.0	8	13.7	-2.5	-6.1	9.3	-16.8	9.3	-18.3	-17.0	-21.8	5.1	-14.0	(X)
1983	4.6	-3.1	3.9	10.3	9.1	8	3	2.0	9	9	1.1	2.2	-6.9	19.1	5.3	3.6	(X)
1984	-7	5.6	8	-6.5	12.3	-3.4	-9.1	-5.9	8.1	4.5	-10.2	-3.6	5.1	2.3	-9.0	-7	(X)
1985	10.1	-11.0	30.4	-7.7	-8.1	5.9	2.7	2.3	4	-3.4	1.6	-2.9	5.2	1.5	5.4	-2.2	(X)
1986	2.5	-7.8	-9.8	4.2	2.9	-12.7	-4.7	10.8	-13.8	11.3	9.3	-2.6	-7.3	-7.9	-10.5	9.6	(X)
1987	-23.1	26.1	-5.2	4.5	2.7	-3.2	22.8	-9.5	8.0	-6.8	3.8	11.0	-10.4	9.2	16.5	8	(X)
1988	-9.9	3.9	6.5	-4.1	-2.9	2.3	3.7	2.2	-5	-4	-5.7	7.2	2.3	-	5.6	-7	(X)
1989	3.9	-7.1	17.6	-4.8	-4.6	-5	-11.3	18.9	-4.2	3.5	5.6	-16.6	7.5	-1	-3.5	4.0	(X)
1990	29.0	-10.7	-6.2	7.1	-1.6	6.6	-19.5	13.3	-3.7	16.7	2.1	-20.7	5.7	-4	-10.2	11.8	(X)
METALWORKING MACHINERY—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	1 568	1 519	1 514	1 376	1 278	1 484	1 219	1 328	1 203	1 356	1 133	1 164	4 601	4 128	3 750	3 653	16 142
1983	1 199	1 296	1 323	1 326	1 443	1 457	1 322	1 471	1 477	1 713	1 496	1 384	3 818	4 226	4 270	4 593	16 907
1984	1 686	1 839	1 940	1 808	1 893	1 830	1 979	1 852	1 860	1 796	1 697	1 784	5 465	5 531	5 691	5 277	21 964
1985	1 646	1 958	2 035	1 815	1 814	1 872	1 840	1 673	2 020	1 972	1 823	1 666	5 639	5 501	5 533	5 461	22 134
1986	1 866	2 148	2 029	1 921	1 850	1 921	1 609	1 726	1 926	1 881	1 791	1 514	6 043	5 692	5 261	5 186	22 182
1987	1 725	1 874	1 937	1 802	1 704	1 884	1 520	1 682	2 006	2 004	1 979	1 899	5 536	5 390	5 208	5 882	22 016
1988	1 921	2 165	2 515	2 136	2 052	2 249	2 111	2 239	2 489	2 277	2 536	2 106	6 601	6 437	6 839	6 919	26 796
1989	1 970	2 403	2 443	2 049	2 133	2 269	1 958	1 788	2 607	2 196	2 011	1 825	6 816	6 451	6 353	6 032	25 652
1990	1 722	1 897	2 451	1 669	1 804	2 368	1 715	1 840	2 195	2 116	1 840	2 212	6 070	5 841	5 750	6 168	23 829
Seasonally Adjusted—Millions of Dollars																	
1982	1 652	1 434	1 355	1 355	1 280	1 405	1 389	1 436	1 149	1 298	1 174	1 201	4 441	4 040	3 974	3 673	(X)
1983	1 261	1 238	1 214	1 308	1 439	1 398	1 466	1 567	1 423	1 639	1 539	1 419	3 713	4 145	4 456	4 597	(X)
1984	1 768	1 766	1 806	1 786	1 886	1 758	2 168	1 976	1 791	1 699	1 736	1 820	5 340	5 430	5 935	5 255	(X)
1985	1 749	1 873	1 879	1 800	1 813	1 791	2 068	1 812	1 936	1 854	1 846	1 692	5 501	5 404	5 816	5 392	(X)
1986	2 014	2 049	1 851	1 922	1 859	1 822	1 846	1 873	1 832	1 751	1 794	1 530	5 914	5 603	5 551	5 075	(X)
1987	1 901	1 785	1 748	1 829	1 728	1 777	1 744	1 825	1 904	1 860	1 969	1 909	5 434	5 334	5 473	5 738	(X)
1988	2 147	2 076	2 280	2 192	2 088	2 116	2 364	2 404	2 365	2 100	2 518	2 113	6 503	6 396	7 133	6 731	(X)
1989	2 238	2 312	2 165	2 135	2 179	2 106	2 229	1 948	2 481	2 010	1 994	1 831	6 715	6 420	6 658	5 835	(X)
1990	2 020	1 820	2 162	1 762	1 844	2 207	1 970	1 983	2 072	1 934	1 824	2 217	6 002	5 813	6 025	5 975	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	13.9	-13.2	-5.5	-	-5.5	9.8	-1.1	3.4	-20.0	13.0	-9.6	2.3	-13.6	-9.0	-1.6	-7.6	(X)
1983	5.0	-1.8	-1.9	7.7	10.0	-2.8	4.9	6.9	-9.2	15.2	-6.1	-7.8	1.1	11.6	7.5	3.2	(X)
1984	24.6	-1	2.3	-1.1	5.6	-6.8	23.3	-8.9	-9.4	-5.1	2.2	4.8	16.2	1.7	9.3	-11.5	(X)
1985	-3.9	7.1	3	-4.2	7	-1.2	15.5	-12.4	6.8	-4.2	-4	-8.3	4.7	-1.8	7.6	-7.3	(X)
1986	19.0	1.7	-9.7	3.8	-3.3	-2.0	1.3	1.5	-2.2	-4.4	2.5	-14.7	9.7	-5.3	-9	-8.6	(X)
1987	24.2	-6.1	-2.1	4.6	-5.5	2.8	-1.9	4.6	4.3	-2.3	5.9	-3.0	7.1	-1.8	2.6	4.8	(X)
1988	12.5	3.3	9.8	-3.9	-4.7	1.3	11.7	1.7	-1.6	-11.2	19.9	-16.1	13.3	-1.6	11.5	-5.6	(X)
1989	5.9	3.3	6.4	-1.4	2.1	-3.4	5.8	-12.6	27.4	-18.0	-8	-8.2	-2	-4.4	3.7	-12.4	(X)
1990	10.3	-9.9	18.8	-18.5	4.7	19.7	-10.7	7	4.5	-6.7	-5.7	21.5	2.9	-3.1	3.6	-8	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
COMPUTER AND OFFICE EQUIPMENT—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	2 648	3 224	3 668	4 157	2 715	3 130	2 181	2 116	3 229	3 013	3 096	5 636	9 540	10 002	7 526	11 745	38 813
1983 ---	2 586	2 420	4 296	3 791	3 274	4 899	2 890	2 962	5 102	3 781	3 833	6 022	9 302	11 964	10 954	13 636	45 856
1984 ---	3 750	4 202	5 177	4 302	4 833	5 759	3 259	4 156	5 409	4 362	5 784	6 166	13 129	14 894	12 824	16 312	57 159
1985 ---	3 019	7 139	6 233	3 447	4 577	6 192	3 274	4 345	5 858	4 453	4 739	6 283	16 391	14 216	13 477	15 475	59 559
1986 ---	2 733	5 156	5 211	3 499	4 212	6 484	3 361	4 380	5 616	3 664	4 975	6 584	13 100	14 195	13 357	15 223	55 875
1987 ---	3 313	4 729	5 463	4 404	4 744	6 382	4 047	4 462	6 303	4 635	5 046	6 726	13 505	15 530	14 812	16 407	60 254
1988 ---	4 003	5 223	6 053	4 931	5 220	7 306	4 463	5 751	6 521	4 803	5 503	7 549	15 279	17 457	16 735	17 855	67 326
1989 ---	4 260	4 601	6 742	4 800	5 164	7 300	4 324	5 583	7 756	5 028	5 823	7 777	15 603	17 264	17 663	18 628	69 158
1990 ---	4 341	5 271	7 083	5 111	5 486	7 232	5 139	4 818	8 455	5 292	5 666	7 286	16 695	17 829	18 412	18 244	71 180
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 032	3 556	3 387	4 216	2 873	2 637	2 995	2 736	2 946	3 341	2 904	4 069	9 975	9 726	8 677	10 314	(X)
1983 ---	3 113	2 745	3 886	4 005	3 451	4 207	3 938	3 535	4 683	4 154	3 719	4 296	9 744	11 663	12 156	12 169	(X)
1984 ---	4 584	4 576	4 622	4 607	5 119	4 761	4 603	4 810	4 699	4 804	5 680	4 201	13 782	14 487	14 112	14 685	(X)
1985 ---	4 097	7 502	5 491	3 913	4 893	4 959	4 554	4 926	4 941	4 948	4 672	4 490	17 090	13 765	14 421	14 110	(X)
1986 ---	3 823	5 469	4 494	4 118	4 536	5 170	4 445	4 878	4 580	4 137	4 932	4 959	13 786	13 824	13 903	14 028	(X)
1987 ---	4 551	5 047	4 779	5 094	5 093	5 077	5 235	4 971	5 043	5 218	5 039	5 073	14 377	15 264	15 249	15 330	(X)
1988 ---	5 360	5 635	5 219	5 745	5 675	5 776	5 726	6 327	5 024	5 438	5 579	5 745	16 214	17 196	17 077	16 762	(X)
1989 ---	5 718	5 040	5 846	5 643	5 651	5 618	5 578	6 169	6 096	5 655	5 954	5 882	16 604	16 912	17 843	17 491	(X)
1990 ---	5 883	5 822	6 124	5 961	5 973	5 552	6 373	5 393	6 765	6 007	5 827	5 394	17 829	17 486	18 531	17 228	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-5.0	17.3	-4.8	24.5	-31.9	-8.2	13.6	-8.6	7.7	13.4	-13.1	40.1	-2.1	-2.5	-10.8	18.9	(X)
1983 ---	-23.5	-11.8	41.6	3.1	-13.8	21.9	-6.4	-10.2	32.5	-11.3	-10.5	15.5	-5.5	19.7	4.2	1	(X)
1984 ---	6.7	-2	1.0	-3	11.1	-7.0	-3.3	4.5	-2.3	2.2	18.2	-26.0	13.3	5.1	-2.6	4.1	(X)
1985 ---	-2.5	83.1	-26.8	-28.7	25.0	1.3	-8.2	8.2	3	1	-5.6	-3.9	16.4	-19.5	4.8	-2.2	(X)
1986 ---	-14.9	43.1	-17.8	-8.4	10.2	14.0	-14.0	9.7	-6.1	-9.7	19.2	5	-2.3	3	6	9	(X)
1987 ---	-8.2	10.9	-5.3	6.6	-	-3	3.1	-5.0	1.4	3.5	-3.4	7	2.5	6.2	-1	5	(X)
1988 ---	5.7	5.1	-7.4	10.1	-1.2	1.8	-9	10.5	-20.6	8.2	2.6	3.0	5.8	6.1	-7	-1.8	(X)
1989 ---	-5	-11.9	16.0	-3.5	1	-6	-7	10.6	-1.2	-7.2	5.3	-1.2	-9	1.9	5.5	-2.0	(X)
1990 ---	-	-1.0	5.2	-2.7	2	-7.0	14.8	-15.4	25.4	-11.2	-3.0	-7.4	1.9	-1.9	6.0	-7.0	(X)
ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	10 008	10 978	11 573	11 156	10 792	10 940	9 648	9 974	10 926	10 609	10 701	10 325	32 559	32 888	30 548	31 635	127 630
1983 ---	10 101	11 355	11 812	11 157	11 304	12 260	11 079	12 321	12 730	12 917	12 587	12 508	33 268	34 721	36 130	38 012	142 131
1984 ---	12 854	14 455	14 740	13 567	15 193	14 481	12 008	13 893	14 277	13 322	12 918	13 033	42 049	43 241	40 978	39 273	165 541
1985 ---	13 637	13 887	14 033	12 754	13 418	13 985	12 279	12 786	14 682	14 195	13 690	14 006	41 557	40 157	39 747	41 891	163 352
1986 ---	12 447	13 918	14 440	13 145	12 731	15 185	12 586	12 908	15 308	14 040	13 076	14 498	40 805	41 061	40 802	41 614	164 282
1987 ---	11 873	13 931	14 654	13 830	13 631	15 843	13 659	13 899	16 227	14 934	15 193	15 536	40 458	43 304	43 785	45 663	173 210
1988 ---	14 300	15 754	16 998	14 851	15 089	16 741	14 362	15 481	17 475	16 111	15 836	15 721	47 052	46 681	47 318	47 668	188 719
1989 ---	15 260	16 391	16 818	15 717	15 055	17 445	14 239	16 505	19 569	16 176	16 511	17 583	48 469	48 217	50 313	50 270	197 269
1990 ---	15 335	17 073	17 371	16 026	16 794	18 230	14 899	16 892	17 386	17 281	16 004	17 970	49 779	51 050	49 177	51 255	201 261
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 494	10 505	10 975	11 105	10 701	10 315	10 703	10 215	10 539	10 643	10 898	10 499	31 974	32 121	31 457	32 040	(X)
1983 ---	10 644	10 983	11 125	11 211	11 155	11 635	12 015	12 534	12 259	13 005	12 776	12 656	32 752	34 001	36 808	38 437	(X)
1984 ---	13 597	14 102	13 852	13 638	14 959	13 803	13 883	14 274	13 658	13 426	13 091	13 043	41 551	42 400	41 815	39 560	(X)
1985 ---	14 629	13 549	13 049	13 052	13 378	13 265	13 440	13 229	13 754	14 136	13 770	13 906	41 227	39 695	40 423	41 812	(X)
1986 ---	13 512	13 652	13 478	13 589	12 861	14 372	13 762	13 348	14 173	13 931	13 072	14 340	40 642	40 822	41 283	41 343	(X)
1987 ---	13 033	13 638	13 691	14 206	13 964	14 871	14 901	14 366	15 087	14 865	15 192	15 345	40 362	43 041	44 354	45 402	(X)
1988 ---	15 654	15 374	15 949	15 154	15 590	15 617	15 731	15 969	16 196	16 024	15 751	15 466	46 977	46 361	47 896	47 241	(X)
1989 ---	16 766	15 976	15 728	16 149	15 583	16 197	15 710	16 876	18 283	16 212	16 514	17 263	48 470	47 929	50 869	49 989	(X)
1990 ---	16 852	16 685	16 242	16 446	17 368	16 927	16 496	17 233	16 084	17 363	15 950	17 622	49 779	50 741	49 813	50 935	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.8	.1	4.5	1.2	-3.6	-3.6	3.8	-4.6	3.2	1.0	2.4	-3.7	6.3	5	-2.1	1.9	(X)
1983 ---	1.4	3.2	1.3	8	-5	4.3	3.3	4.3	-2.2	6.1	-1.8	-9	2.2	3.8	8.3	4.4	(X)
1984 ---	7.4	3.7	-1.8	-1.5	9.7	-7.7	6	2.8	-4.3	-1.7	-2.5	-4	8.1	2.0	-1.4	-5.4	(X)
1985 ---	12.2	-7.4	-3.7	-	2.5	-8	1.3	-1.6	4.0	2.8	-2.6	1.0	4.2	-3.7	1.8	3.4	(X)
1986 ---	-2.8	1.0	-1.3	8	-5.4	11.7	-4.2	-3.0	6.2	-1.7	-6.2	9.7	-2.8	4	1.1	1	(X)
1987 ---	-9.1	4.6	4	3.8	-1.7	6.5	2	-3.6	5.0	-1.5	2.2	1.0	-2.4	6.6	3.1	2.4	(X)
1988 ---	2.0	-1.8	3.7	-5.0	2.9	2	7	1.5	1.4	-1.1	-1.7	-1.8	3.5	-1.3	3.3	-1.4	(X)
1989 ---	8.4	-4.7	-1.6	2.7	-3.5	3.9	-3.0	7.4	8.3	-11.3	1.9	4.5	2.6	-1.1	6.1	-1.7	(X)
1990 ---	-2.4	-1.0	-2.7	1.3	5.6	-2.5	-2.5	4.5	-6.7	8.0	-8.1	10.5	-4	1.9	-1.8	2.3	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct	Nov	Dec.	1st	2nd	3rd	4th	
ELECTRICAL TRANSMISSION AND DISTRIBUTION EQUIPMENT AND INDUSTRIAL APPARATUS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 754	1 843	1 904	1 705	1 765	1 565	1 441	1 455	1 691	1 566	1 753	1 637	5 501	5 035	4 587	4 956	20 079
1983 ---	1 414	1 856	1 777	1 738	1 424	1 881	1 422	1 801	2 043	1 709	1 678	1 500	5 047	5 043	5 266	4 887	20 243
1984 ---	1 856	2 107	2 210	1 977	1 884	2 010	1 708	2 052	2 111	1 997	1 877	2 334	6 173	5 871	5 871	6 208	24 123
1985 ---	1 845	1 938	2 222	1 896	1 903	1 881	1 763	2 035	2 037	2 021	1 938	1 947	6 005	5 680	5 835	5 906	23 426
1986 ---	1 956	2 012	2 191	1 853	1 777	1 943	1 835	1 907	2 206	2 013	1 710	1 932	6 159	5 573	5 948	5 655	23 335
1987 ---	1 655	2 020	2 115	1 880	1 795	2 041	1 743	1 928	2 323	1 989	1 978	1 870	5 790	5 716	5 994	5 837	23 337
1988 ---	1 946	2 189	2 364	2 103	2 135	2 273	2 058	2 278	2 447	2 478	2 264	2 241	6 499	6 511	6 783	6 983	26 776
1989 ---	2 554	2 573	2 609	2 432	2 289	2 504	2 028	2 132	2 538	2 203	2 254	2 235	7 736	7 225	6 698	6 692	28 351
1990 ---	2 440	2 533	2 380	2 415	2 298	2 384	2 217	2 404	2 666	2 558	1 941	2 263	7 353	7 097	7 287	6 762	28 499
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 779	1 742	1 744	1 680	1 775	1 489	1 656	1 506	1 603	1 621	1 781	1 658	5 265	4 944	4 765	5 060	(X)
1983 ---	1 460	1 783	1 616	1 733	1 441	1 803	1 614	1 848	1 911	1 769	1 712	1 509	4 859	4 977	5 373	4 990	(X)
1984 ---	1 944	2 040	2 007	1 988	1 910	1 912	1 949	2 103	1 932	2 055	1 912	2 345	5 991	5 810	5 984	6 312	(X)
1985 ---	1 949	1 873	2 010	1 923	1 935	1 780	1 987	2 094	1 855	2 070	1 979	1 961	5 832	5 638	5 936	6 010	(X)
1986 ---	2 088	1 937	1 984	1 884	1 813	1 840	2 057	1 965	2 010	2 047	1 752	1 955	6 009	5 537	6 032	5 754	(X)
1987 ---	1 783	1 934	1 934	1 909	1 825	1 932	1 964	1 985	2 113	2 015	2 035	1 898	5 651	5 666	6 062	5 948	(X)
1988 ---	2 105	2 085	2 182	2 128	2 161	2 151	2 298	2 344	2 210	2 508	2 339	2 282	6 372	6 440	6 852	7 129	(X)
1989 ---	2 747	2 421	2 419	2 454	2 312	2 377	2 285	2 208	2 293	2 239	2 337	2 277	7 587	7 143	6 786	6 853	(X)
1990 ---	2 630	2 368	2 192	2 436	2 317	2 250	2 486	2 475	2 414	2 594	2 025	2 306	7 190	7 003	7 375	6 925	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.3	-2.1	.1	-3.7	.57	-16.1	11.2	-9.1	6.4	1.1	9.9	-6.9	1.0	-6.1	-3.6	6.2	(X)
1983 ---	-11.9	22.1	-9.4	7.2	-16.8	25.1	-10.5	14.5	3.4	-7.4	-3.2	-11.9	-4.0	2.4	8.0	-7.1	(X)
1984 ---	28.8	4.9	-1.6	-9	-3.9	1	1.9	7.9	-8.1	6.4	-7.0	22.6	20.1	-3.0	3.0	5.5	(X)
1985 ---	-16.9	-3.9	7.3	-4.3	6	-8.0	11.6	5.4	-11.4	11.6	-4.4	-9	-7.6	-3.3	5.3	1.2	(X)
1986 ---	6.5	-7.2	2.4	-5.0	-3.8	1.5	11.8	-4.5	2.3	1.8	-14.4	11.6	-	-7.9	8.9	-4.6	(X)
1987 ---	-8.8	8.5	-	-1.3	-4.4	5.9	1.7	1.1	6.4	-4.6	1.0	-6.7	-1.8	3	7.0	-1.9	(X)
1988 ---	10.9	-1.0	4.7	-2.5	1.6	-5	6.8	2.0	-5.7	13.5	-6.7	-2.4	7.1	1.1	6.4	4.0	(X)
1989 ---	20.4	-11.9	-1	1.4	-5.8	2.8	-3.9	-3.4	3.8	-2.4	4.4	-2.6	6.4	-5.9	-5.0	1.0	(X)
1990 ---	15.5	-10.0	-7.4	11.1	-4.9	-2.9	10.5	-4	-2.5	7.5	-21.9	13.9	4.9	-2.6	5.3	-6.1	(X)
ELECTRIC LIGHTING AND WIRING EQUIPMENT—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	978	1 077	1 079	1 024	1 009	1 070	921	995	1 045	1 030	1 072	942	3 134	3 103	2 961	3 044	12 242
1983 ---	967	1 100	1 077	1 039	1 062	1 173	1 017	1 178	1 258	1 348	1 283	1 278	3 144	3 274	3 453	3 909	13 780
1984 ---	1 232	1 291	1 303	1 211	1 196	1 280	1 176	1 219	1 416	1 413	1 332	1 319	3 826	3 687	3 811	4 064	15 388
1985 ---	1 161	1 249	1 318	1 246	1 278	1 370	1 293	1 365	1 545	1 496	1 462	1 394	3 728	3 894	4 203	4 352	16 177
1986 ---	1 199	1 425	1 343	1 338	1 365	1 570	1 278	1 347	1 561	1 560	1 571	1 423	3 967	4 273	4 186	4 554	16 980
1987 ---	1 281	1 495	1 370	1 409	1 406	1 574	1 328	1 507	1 714	1 674	1 721	1 641	4 146	4 389	4 549	5 036	18 120
1988 ---	1 547	1 628	1 726	1 544	1 634	1 743	1 441	1 605	1 700	1 709	1 659	1 509	4 901	4 921	4 746	4 877	19 445
1989 ---	1 562	1 503	1 417	1 368	1 363	1 400	587	1 969	1 066	1 338	1 325	1 348	4 482	4 131	3 622	4 011	16 246
1990 ---	1 070	1 391	1 400	1 165	1 304	1 419	1 155	1 256	1 412	1 259	1 317	1 390	3 861	3 888	3 823	3 966	15 538
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 045	1 055	1 048	1 084	1 054	1 033	1 048	1 029	963	937	1 009	940	3 148	3 171	3 040	2 886	(X)
1983 ---	1 045	1 081	1 054	1 104	1 108	1 130	1 145	1 218	1 155	1 230	1 203	1 267	3 180	3 342	3 518	3 700	(X)
1984 ---	1 345	1 272	1 285	1 288	1 251	1 226	1 317	1 265	1 299	1 286	1 246	1 296	3 902	3 765	3 881	3 828	(X)
1985 ---	1 278	1 235	1 307	1 325	1 342	1 303	1 449	1 412	1 423	1 357	1 359	1 358	3 820	3 970	4 284	4 074	(X)
1986 ---	1 328	1 414	1 336	1 426	1 435	1 492	1 435	1 385	1 430	1 424	1 466	1 373	4 078	4 353	4 250	4 263	(X)
1987 ---	1 421	1 483	1 364	1 512	1 476	1 484	1 503	1 535	1 578	1 549	1 606	1 583	4 268	4 472	4 616	4 738	(X)
1988 ---	1 713	1 610	1 716	1 660	1 705	1 639	1 648	1 617	1 569	1 608	1 555	1 444	5 039	5 004	4 834	4 607	(X)
1989 ---	1 726	1 482	1 404	1 469	1 417	1 316	755	1 966	959	1 274	1 241	1 282	4 612	4 202	3 680	3 797	(X)
1990 ---	1 188	1 371	1 383	1 259	1 352	1 341	1 319	1 245	1 307	1 201	1 239	1 322	3 942	3 952	3 871	3 762	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	11.4	1.0	-7	3.4	-2.8	-2.0	1.5	-1.8	-6.4	-2.7	7.7	-6.8	4.2	7	-4.1	-5.1	(X)
1983 ---	11.2	3.4	-2.5	4.7	4	2.0	1.3	6.4	-5.2	6.5	-2.2	5.3	10.2	5.1	5.3	5.2	(X)
1984 ---	6.2	-5.4	1.0	2	-2.9	-2.0	7.4	-3.9	2.7	-1.0	-3.1	4.0	5.5	-3.5	3.1	-1.4	(X)
1985 ---	-1.4	-3.4	5.8	1.4	1.3	-2.9	11.2	-2.6	8	-4.6	1	-1	-2	3.9	7.9	-4.9	(X)
1986 ---	-2.2	6.5	-5.5	6.7	6	4.0	-3.8	-3.5	3.2	-4	2.9	-6.3	1	6.7	-2.4	3	(X)
1987 ---	3.5	4.4	-8.0	10.9	-2.4	5	1.3	2.1	2.8	-1.8	3.7	-1.4	1	4.8	3.2	2.6	(X)
1988 ---	8.2	-6.0	6.6	-3.3	2.7	-3.9	5	-1.9	-3.0	2.5	-3.3	-7.1	6.4	7	-3.4	-4.7	(X)
1989 ---	19.5	-14.1	-5.3	4.6	-3.5	-7.1	-42.6	160.4	-51.2	32.8	-2.6	3.3	1	-8.9	-12.4	3.2	(X)
1990 ---	-7.3	15.4	9	-9.0	7.4	-8	-1.6	-5.6	5.0	-8.1	3.2	6.7	3.8	3	-2.0	-2.8	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
COMMUNICATION EQUIPMENT—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	2 026	2 180	2 642	2 719	2 038	2 353	2 066	2 031	2 555	2 477	2 205	2 478	6 848	7 110	6 652	7 160	27 770
1983 ---	1 924	2 292	2 687	2 230	2 151	2 605	1 898	2 205	2 493	2 461	2 702	2 757	6 903	6 986	6 596	7 920	28 405
1984 ---	2 134	2 749	3 012	2 554	3 201	2 895	2 355	3 036	2 867	2 941	2 829	3 323	7 895	8 650	8 258	9 093	33 896
1985 ---	3 315	3 190	3 421	2 821	2 953	3 477	2 373	2 649	3 521	3 211	2 929	3 228	9 926	9 251	8 543	9 368	37 088
1986 ---	2 694	3 102	3 052	2 506	2 164	3 641	2 493	2 472	3 415	2 774	2 543	3 452	8 848	8 311	8 380	8 769	34 308
1987 ---	2 522	2 490	2 778	2 649	2 278	3 661	2 604	2 176	3 302	2 688	2 843	3 848	7 790	8 588	8 082	9 379	33 839
1988 ---	2 552	2 761	3 542	2 666	2 717	3 293	2 545	3 171	3 555	3 078	3 336	3 761	8 855	8 676	9 271	10 175	36 977
1989 ---	2 900	3 208	3 644	2 992	3 196	4 117	3 570	3 389	6 294	3 158	3 753	5 224	9 752	10 305	13 253	12 135	45 445
1990 ---	3 156	3 885	3 959	3 638	3 836	5 149	3 318	3 833	4 035	4 075	3 374	5 923	11 000	12 623	11 186	13 372	48 181
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 231	2 152	2 407	2 702	2 035	2 232	2 342	2 176	2 460	2 502	2 244	2 259	6 790	6 969	6 978	7 005	(X)
1983 ---	2 142	2 265	2 435	2 246	2 166	2 480	2 189	2 343	2 364	2 496	2 727	2 425	6 842	6 892	6 896	7 648	(X)
1984 ---	2 413	2 730	2 708	2 615	3 248	2 754	2 718	3 211	2 685	2 992	2 839	2 858	7 851	8 617	8 614	8 689	(X)
1985 ---	3 734	3 184	3 062	2 946	3 045	3 317	2 798	2 817	3 263	3 278	2 935	2 679	9 980	9 308	8 878	8 892	(X)
1986 ---	3 135	3 126	2 686	2 680	2 285	3 446	2 895	2 630	3 113	2 870	2 540	2 872	8 947	8 411	8 638	8 282	(X)
1987 ---	2 962	2 543	2 417	2 832	2 423	3 403	3 005	2 318	2 979	2 819	2 843	3 230	7 922	8 658	8 302	8 892	(X)
1988 ---	3 000	2 850	3 178	2 839	2 875	2 967	2 925	3 312	3 208	3 264	3 332	3 061	9 028	8 681	9 445	9 657	(X)
1989 ---	3 423	3 328	3 250	3 198	3 378	3 694	4 015	3 516	5 904	3 424	3 765	4 462	10 001	10 270	13 435	11 651	(X)
1990 ---	3 717	4 062	3 545	3 876	4 015	4 693	3 859	3 946	3 640	4 412	3 379	5 145	11 324	12 584	11 445	12 936	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	19.3	-3.5	11.8	12.3	-24.7	9.7	4.9	-7.1	13.1	1.7	-10.3	-7	15.6	2.6	.1	4	(X)
1983 ---	-5.2	5.7	7.5	-7.8	-3.6	14.5	-11.7	7.0	9	5.6	9.3	-11.1	-2.3	.7	.1	10.9	(X)
1984 ---	-5	13.1	-8	-3.4	24.2	-15.2	-1.3	18.1	-16.4	11.4	-5.1	-7	2.7	9.8	-	9	(X)
1985 ---	30.7	-14.7	-3.8	-3.8	3.4	8.9	-15.6	-7	15.8	.5	-10.5	-8.7	14.9	-6.7	-4.6	2	(X)
1986 ---	17.0	-3	-14.1	-2	-14.7	50.8	-16.0	-9.2	18.4	-7.8	-11.5	13.1	6	-6.0	2.7	-4.1	(X)
1987 ---	3.1	-14.1	-5.0	17.2	-14.4	40.4	-11.7	-22.9	28.5	-5.4	.9	13.6	-4.3	9.3	-4.1	7.1	(X)
1988 ---	-7.1	-5.0	11.5	-10.7	1.3	3.2	-1.4	13.2	-3.1	1.7	2.1	-8.1	1.5	-3.8	8.8	2.2	(X)
1989 ---	11.8	-2.8	-2.3	-1.6	5.6	9.4	8.7	-12.4	67.9	-42.0	10.0	18.5	3.6	2.7	30.8	-13.3	(X)
1990 ---	-16.7	9.3	-12.7	9.3	3.6	16.9	-17.8	2.3	-7.8	21.2	-23.4	52.3	-2.8	11.1	-9.1	13.0	(X)
ELECTRONIC COMPONENTS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	2 718	3 032	2 927	3 097	2 990	2 799	2 562	2 592	2 670	2 885	2 788	2 657	8 677	8 886	7 824	8 330	33 717
1983 ---	2 959	2 983	3 252	3 210	3 316	3 076	3 499	3 562	3 489	4 127	3 523	3 459	9 194	9 602	10 550	11 109	40 455
1984 ---	4 065	4 402	4 611	4 600	4 644	4 165	4 039	3 476	3 904	3 382	3 357	2 378	13 078	13 409	11 419	9 117	47 023
1985 ---	3 635	3 825	3 257	3 321	3 166	3 157	3 217	2 769	3 152	3 238	3 369	3 721	10 717	9 644	9 138	10 328	39 827
1986 ---	2 944	3 561	3 849	3 677	3 376	3 551	3 129	2 973	3 225	3 260	3 198	4 190	10 354	10 604	9 327	10 648	40 933
1987 ---	2 943	4 148	4 706	4 374	4 383	4 524	4 525	4 393	4 647	4 649	4 777	4 635	11 797	13 281	13 565	14 061	52 704
1988 ---	4 458	5 311	5 348	4 945	4 734	5 102	4 570	4 095	4 917	4 196	4 209	4 508	15 117	14 781	13 582	12 913	56 393
1989 ---	4 407	5 117	5 076	5 340	4 478	5 244	4 498	4 807	5 328	5 024	4 960	4 960	14 600	15 062	14 633	14 944	59 239
1990 ---	4 922	5 292	5 616	5 346	5 541	4 906	4 533	5 318	4 865	5 098	5 125	4 817	15 830	15 793	14 716	15 040	61 379
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 762	2 781	2 745	2 796	2 888	2 702	2 794	2 746	2 779	2 946	2 882	2 901	8 288	8 386	8 319	8 729	(X)
1983 ---	3 019	2 752	3 027	2 923	3 176	2 985	3 647	3 774	3 635	4 216	3 648	3 756	8 798	9 084	11 056	11 620	(X)
1984 ---	4 174	4 122	4 250	4 219	4 435	4 072	4 167	3 846	4 118	3 488	3 481	2 654	12 546	12 726	12 131	9 623	(X)
1985 ---	3 778	3 539	2 842	3 033	3 041	3 058	3 328	3 095	3 245	3 348	3 473	3 948	10 159	9 132	9 668	10 769	(X)
1986 ---	3 113	3 283	3 443	3 417	3 317	3 419	3 243	3 303	3 266	3 398	3 304	4 389	9 839	10 153	9 812	11 091	(X)
1987 ---	3 157	3 863	4 272	4 111	4 372	4 327	4 704	4 746	4 636	4 833	4 940	4 820	11 292	12 810	14 086	14 593	(X)
1988 ---	4 752	4 935	4 836	4 609	4 799	4 867	4 797	4 473	4 885	4 375	4 357	4 683	14 523	14 275	14 155	13 415	(X)
1989 ---	4 718	4 752	4 575	5 038	4 574	4 997	4 756	5 102	5 238	5 193	5 111	5 155	14 045	14 609	15 096	15 459	(X)
1990 ---	5 258	4 919	5 120	5 046	5 640	4 656	4 818	5 609	4 755	5 266	5 280	5 010	15 297	15 342	15 182	15 556	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.0	.7	-1.3	1.9	3.3	-6.4	3.4	-1.7	1.2	6.0	-2.2	.7	7.7	1.2	-8	4.9	(X)
1983 ---	4.1	-8.8	10.0	-3.4	8.7	-6.0	22.2	3.5	-3.7	16.0	-13.5	3.0	8	3.3	21.7	5.1	(X)
1984 ---	11.1	-1.2	3.1	-.7	5.1	-8.2	2.3	-7.7	7.1	-15.3	-2	-23.8	8.0	1.4	-4.7	-20.7	(X)
1985 ---	42.4	-6.3	-19.7	6.7	.3	6	8.8	-7.0	4.8	3.2	3.7	13.7	5.6	-10.1	5.9	11.4	(X)
1986 ---	-21.1	5.5	4.9	-.8	-2.9	3.1	-5.1	1.9	-1.1	4.0	-2.8	32.8	-8.6	3.2	-3.4	13.0	(X)
1987 ---	-28.1	22.4	10.6	-3.8	6.3	-1.0	8.7	.9	-2.3	4.2	2.2	-2.4	1.8	13.4	10.0	3.6	(X)
1988 ---	-1.4	3.9	-2.0	-4.7	4.1	1.4	-1.4	-6.8	9.2	-10.4	-4	7.5	-5	-1.7	-.8	-5.2	(X)
1989 ---	.7	.7	-3.7	10.1	-9.2	9.2	-4.8	7.3	2.7	-.9	-1.6	.9	4.7	4.0	3.3	2.4	(X)
1990 ---	2.0	-6.4	4.1	-1.4	11.8	-17.4	3.5	16.4	-15.2	10.7	3	-5.1	-1.0	.3	-1.0	2.5	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
TRANSPORTATION EQUIPMENT, TOTAL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	16 783	17 453	19 600	18 376	16 676	17 960	14 891	13 160	17 466	18 747	15 410	22 803	53 836	53 012	45 517	56 960	209 325
1983	22 426	17 258	20 943	21 275	18 429	23 732	17 699	18 115	22 735	26 480	25 706	26 561	60 627	63 436	58 549	78 747	261 359
1984	23 807	26 206	32 208	24 243	22 131	24 299	20 598	19 951	22 579	24 250	27 491	27 439	82 221	70 673	63 128	79 180	295 202
1985	24 909	24 912	25 710	24 909	24 556	29 083	21 456	24 374	28 220	28 407	23 498	31 548	75 531	78 448	74 050	83 453	311 482
1986	28 900	28 477	31 937	27 066	25 500	24 726	22 505	21 034	28 817	26 514	28 930	31 135	89 314	77 292	72 356	88 579	327 541
1987	26 344	30 154	33 355	29 846	30 458	29 744	24 781	23 863	27 463	30 058	30 930	31 228	89 853	90 048	76 107	92 216	348 224
1988	30 300	32 475	32 868	32 392	28 344	34 082	25 172	29 162	33 350	36 606	33 285	40 557	95 643	94 818	87 684	110 448	388 593
1989	34 753	35 267	40 359	37 722	32 334	33 790	29 633	30 567	34 677	33 671	38 811	40 402	110 379	103 846	94 877	112 884	421 986
1990	25 042	31 892	40 714	32 848	35 026	34 820	26 595	30 867	35 399	38 309	28 181	33 906	97 648	102 694	92 861	100 396	393 599
Seasonally Adjusted—Millions of Dollars																	
1982	17 514	16 997	18 148	17 669	16 753	16 874	17 890	15 826	17 183	17 279	15 587	21 769	52 659	51 296	50 899	54 635	(X)
1983	23 346	16 518	19 100	20 423	18 717	22 539	21 311	21 188	22 710	24 918	25 755	25 383	58 964	61 679	65 209	76 056	(X)
1984	24 609	24 943	29 682	23 254	22 833	23 182	25 016	23 458	22 641	22 812	27 236	25 744	79 234	69 269	71 115	75 792	(X)
1985	25 745	23 370	23 052	23 879	25 135	28 163	26 448	28 209	28 022	27 152	22 595	29 383	72 167	77 177	62 679	79 130	(X)
1986	29 879	26 742	29 148	26 181	26 430	23 980	28 175	24 831	28 217	27 341	27 698	29 290	85 769	76 591	81 223	84 329	(X)
1987	27 543	28 263	30 149	29 230	31 097	28 952	30 375	27 597	26 182	28 883	29 312	29 548	85 955	89 279	84 154	87 743	(X)
1988	31 901	30 700	29 565	31 827	28 603	33 079	31 752	33 265	31 483	35 238	31 653	39 683	92 166	93 609	96 500	106 574	(X)
1989	36 801	33 388	36 647	37 169	32 308	32 548	35 977	34 927	32 365	32 319	37 318	39 216	106 836	102 025	103 269	108 853	(X)
1990	27 100	30 262	36 868	32 662	34 623	33 233	34 228	35 222	32 915	36 784	26 903	31 788	94 230	100 518	102 365	95 475	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	30.4	-3.0	6.8	-2.6	-5.2	7	6.0	-11.5	8.6	6	-9.8	39.7	16.5	-2.6	-8	7.3	(X)
1983	7.2	-29.2	15.6	6.9	-8.4	20.4	-5.4	-6	7.2	9.7	3.4	-1.4	7.9	4.6	5.7	16.6	(X)
1984	-3.0	1.4	19.0	-21.7	-1.8	1.5	7.9	-6.2	-3.5	8	19.4	-5.5	4.2	-12.6	2.7	6.6	(X)
1985	-	-9.2	-1.4	3.6	5.3	12.0	-6.1	6.7	-7	-3.1	-16.8	30.0	-4.8	6.9	7.1	-4.3	(X)
1986	1.7	-10.5	9.0	-10.2	1.0	-9.3	17.5	-11.9	13.6	-3.1	1.3	5.7	8.4	-10.7	6.0	3.8	(X)
1987	-6.0	2.6	6.7	-3.0	6.4	-6.9	4.9	-9.1	-5.1	10.3	1.5	8	1.9	3.9	-5.7	4.3	(X)
1988	8.0	-3.8	-3.7	8.0	-10.4	15.6	-4.0	4.8	-5.4	11.9	-10.2	25.4	5.0	1.6	3.1	10.4	(X)
1989	-7.3	-9.3	9.8	1.4	-13.1	7	10.5	-2.9	-7.3	-1	15.5	5.1	2	-4.5	1.2	5.4	(X)
1990	-30.9	11.7	21.8	-11.4	6.0	-4.0	3.0	2.9	-6.5	11.8	-26.9	18.2	-13.4	6.7	1.8	-6.7	(X)
AIRCRAFT, MISSILES, SPACE VEHICLES AND PARTS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	6 941	7 171	7 695	6 054	4 840	5 187	4 624	4 097	5 362	7 355	5 345	8 694	21 807	16 081	14 083	21 394	73 365
1983	9 331	4 893	7 514	6 982	3 916	8 499	4 787	4 737	7 262	9 555	7 686	11 790	21 738	19 397	16 786	29 031	86 952
1984	6 127	6 818	13 968	6 614	5 022	6 805	6 698	4 823	7 211	6 603	8 940	11 991	26 913	18 441	18 732	27 534	91 620
1985	7 172	6 115	7 020	6 997	5 716	10 404	7 291	8 639	9 358	9 500	5 584	17 093	20 307	23 117	25 288	32 177	100 889
1986	10 349	8 925	10 518	7 433	7 512	5 471	7 350	5 512	10 021	8 773	12 014	14 115	29 792	20 416	22 883	34 902	107 993
1987	7 854	7 999	10 411	8 827	8 914	8 262	10 920	8 134	8 580	9 586	9 926	15 422	26 264	26 003	27 634	34 934	114 835
1988	11 393	11 421	10 503	10 499	6 835	11 998	9 632	10 983	12 185	11 848	11 490	18 111	33 317	29 332	32 800	41 449	136 898
1989	12 661	10 406	17 480	14 182	9 258	11 803	16 134	10 220	12 950	11 115	16 541	20 055	40 547	35 243	39 304	47 711	162 805
1990	10 374	9 194	17 213	10 156	10 555	10 730	11 004	8 263	14 512	14 130	10 155	19 512	36 781	31 441	33 779	43 797	145 798
Seasonally Adjusted—Millions of Dollars																	
1982	7 521	6 949	7 241	6 089	5 621	5 131	5 726	5 441	5 211	6 743	5 340	6 253	21 711	16 841	16 378	18 336	(X)
1983	9 916	4 636	6 824	7 017	5 053	8 550	6 060	6 216	7 309	8 965	7 653	8 382	21 376	20 620	19 585	25 000	(X)
1984	6 551	6 657	12 947	6 756	6 661	7 111	8 139	6 408	7 236	6 089	8 743	7 957	26 155	20 528	21 783	22 789	(X)
1985	7 590	6 063	5 979	7 193	7 486	10 778	8 913	10 409	9 188	9 278	4 903	12 559	19 632	25 457	28 510	26 740	(X)
1986	10 866	8 984	9 309	7 899	9 559	5 919	9 043	7 202	9 544	8 812	11 081	9 680	29 159	23 377	25 789	29 573	(X)
1987	8 547	8 127	9 107	9 551	10 786	8 598	12 532	9 813	7 533	9 878	8 704	11 544	25 781	28 935	29 878	30 126	(X)
1988	12 358	11 500	9 070	11 435	8 498	12 233	11 281	12 786	10 765	12 319	10 295	14 672	32 928	32 166	34 832	37 286	(X)
1989	13 812	10 473	15 711	15 191	10 789	11 814	17 916	12 226	11 172	11 538	15 332	16 436	39 996	37 794	41 314	43 306	(X)
1990	11 789	9 225	15 357	11 336	12 054	10 573	12 965	10 356	12 571	14 556	9 085	15 679	36 371	33 963	35 892	39 320	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	99.0	-7.6	4.2	-15.9	-7.7	-8.7	11.6	-5.0	-4.2	29.4	-20.8	17.1	57.6	-22.4	-2.7	12.0	(X)
1983	56.6	-53.2	47.2	2.8	-28.0	69.2	-29.1	2.6	17.6	22.7	-14.6	9.5	16.6	-3.5	-5.0	27.6	(X)
1984	-21.8	1.6	94.5	-47.8	-1.4	6.8	14.5	-21.3	12.9	-15.9	43.6	-9.0	4.6	-21.5	6.1	4.6	(X)
1985	-4.6	-20.1	-1.4	20.3	4.1	44.0	-17.3	16.8	-11.7	1.0	-47.2	156.1	-13.9	29.7	12.0	-6.2	(X)
1986	-13.5	-17.3	3.6	-15.1	21.0	-38.1	52.8	-20.4	32.5	-7.7	25.7	-12.6	9.0	-19.8	10.3	14.7	(X)
1987	-11.7	-4.9	12.1	4.9	12.9	-20.3	45.8	-21.7	-23.2	31.1	-11.9	32.6	-12.8	12.2	3.3	8	(X)
1988	7.1	-6.9	-21.1	26.1	-25.7	44.0	-7.8	13.3	-15.8	14.4	-16.4	42.5	9.3	-2.3	8.3	7.0	(X)
1989	-5.9	-24.2	50.0	-3.3	-29.0	9.5	51.7	-31.8	-8.6	3.3	32.9	7.2	7.3	-5.5	9.3	4.6	(X)
1990	-28.3	-21.7	66.5	-26.2	6.3	-12.3	22.6	-20.1	21.4	15.8	-37.6	72.6	-16.0	-6.6	5.7	9.6	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
SHIPBUILDING AND TANKS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 457	1 088	1 077	1 397	452	624	593	510	1 151	916	1 054	5 570	3 622	2 473	2 254	7 540	15 889
1983 ---	2 280	275	731	1 302	1 009	607	1 193	532	1 078	785	2 526	525	3 286	2 918	2 803	3 836	12 843
1984 ---	1 142	2 027	629	823	1 103	475	557	685	841	901	1 952	1 081	3 798	2 401	2 083	3 934	12 216
1985 ---	887	519	453	566	936	996	1 035	203	1 078	520	427	492	1 859	2 498	2 316	1 439	8 112
1986 ---	113	599	3 236	389	277	699	1 393	694	941	241	322	622	3 948	1 365	3 028	1 185	9 526
1987 ---	468	739	2 024	1 399	1 732	1 863	820	566	561	436	2 221	279	3 231	4 994	1 947	2 936	13 108
1988 ---	1 702	918	1 774	1 390	720	1 310	1 084	524	685	2 202	931	3 473	4 394	3 420	2 293	6 606	16 713
1989 ---	458	1 528	860	323	1 379	1 617	738	546	777	1 381	756	2 633	2 846	3 319	2 061	4 770	12 996
1990 ---	574	1 644	860	757	681	672	781	1 822	469	834	379	1 753	3 078	2 110	3 072	2 966	11 226
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 426	1 109	993	1 367	519	634	534	464	1 125	832	1 174	5 603	3 528	2 520	2 123	7 609	(X)
1983 ---	2 355	269	678	1 310	1 031	610	1 139	510	1 049	718	2 592	478	3 302	2 951	2 698	3 788	(X)
1984 ---	1 233	1 996	589	843	1 100	472	498	667	839	886	1 978	986	3 818	2 415	2 004	3 850	(X)
1985 ---	1 033	504	436	608	931	980	988	196	1 076	521	427	516	1 973	2 519	2 260	1 464	(X)
1986 ---	245	574	3 227	428	224	677	1 331	655	954	265	329	599	4 046	1 329	2 940	1 193	(X)
1987 ---	593	726	2 015	1 454	1 645	1 821	742	547	589	471	2 219	257	3 334	4 920	1 878	2 947	(X)
1988 ---	1 878	896	1 765	1 431	662	1 264	1 052	510	711	2 235	937	3 299	4 539	3 357	2 273	6 471	(X)
1989 ---	615	1 531	856	379	1 337	1 536	565	501	831	1 490	829	2 614	3 002	3 252	1 897	4 933	(X)
1990 ---	749	1 656	870	848	448	537	581	1 771	547	965	462	1 808	3 275	1 833	2 899	3 235	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	219.7	-22.2	-10.5	37.7	-62.0	22.2	-15.8	-13.1	142.5	-26.0	41.1	377.3	35.4	-28.6	-15.8	258.4	(X)
1983 ---	-58.0	-88.6	152.0	93.2	-21.3	-40.8	86.7	-55.2	105.7	-31.6	261.0	-81.6	-56.6	-10.6	-8.6	40.4	(X)
1984 ---	157.9	61.9	-70.5	43.1	30.5	-57.1	5.5	33.9	25.8	5.6	123.3	-50.2	8	-36.7	-17.0	92.1	(X)
1985 ---	4.8	-51.2	-13.5	39.4	53.1	5.3	8	-80.2	449.0	-51.6	-18.0	20.8	-48.8	27.7	-10.3	-35.2	(X)
1986 ---	-52.5	134.3	462.2	-86.7	-47.7	202.2	96.6	-50.8	45.6	-72.2	24.2	82.1	176.4	-67.2	121.2	-59.4	(X)
1987 ---	-1.0	22.4	177.5	-27.8	13.1	10.7	-59.3	-26.3	7.7	-20.0	371.1	-88.4	179.5	47.6	-61.8	56.9	(X)
1988 ---	630.7	-52.3	97.0	-18.9	-53.7	90.9	-16.8	-51.5	39.4	214.3	-58.1	252.1	54.0	-26.0	-32.3	184.7	(X)
1989 ---	-81.4	148.9	-44.1	-55.7	252.8	14.9	-63.2	-11.3	65.9	79.3	-44.4	215.3	-53.6	8.3	-41.7	160.0	(X)
1990 ---	-71.3	121.1	-47.5	-2.5	-47.2	19.9	8.2	204.8	-69.1	76.4	-52.1	291.3	-33.6	-44.0	58.2	11.6	(X)
INSTRUMENTS AND RELATED PRODUCTS, TOTAL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	6 197	6 773	8 187	6 905	5 898	7 146	5 945	6 795	7 567	6 614	6 696	7 328	21 157	19 949	20 307	20 638	82 051
1983 ---	6 513	6 781	6 871	6 582	6 557	7 240	6 241	6 389	7 445	7 205	7 028	8 243	20 165	20 379	20 075	22 476	83 095
1984 ---	7 418	7 940	9 203	7 230	8 470	8 587	7 226	8 831	9 054	8 129	7 832	8 942	24 561	24 287	25 111	24 903	98 862
1985 ---	10 165	8 182	9 932	8 184	8 622	9 708	7 514	8 270	9 850	8 310	8 000	9 526	28 279	26 514	25 634	25 836	106 263
1986 ---	8 608	8 707	10 098	7 586	8 023	9 254	7 928	7 809	9 904	9 220	7 754	9 744	27 413	24 863	25 641	26 718	104 635
1987 ---	7 393	8 275	9 234	9 390	8 093	10 257	8 459	8 515	10 837	9 275	9 246	10 080	24 902	27 740	27 811	28 601	109 054
1988 ---	8 028	9 110	9 440	6 859	10 475	8 972	8 354	8 126	10 463	8 998	10 093	13 736	26 578	26 306	26 943	32 827	112 654
1989 ---	9 045	9 973	9 951	8 771	9 122	10 824	7 845	8 280	12 067	10 341	11 442	12 527	28 969	28 717	28 192	34 310	120 188
1990 ---	8 890	9 049	10 346	9 201	9 740	10 415	8 605	8 597	10 133	10 093	9 323	9 821	28 285	29 356	27 335	29 237	114 213
Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 379	6 735	7 592	7 097	5 984	6 871	6 744	7 017	7 123	6 609	6 870	7 014	20 706	19 952	20 884	20 493	(X)
1983 ---	6 683	6 686	6 266	6 832	6 647	6 964	7 066	6 603	6 919	7 317	7 318	7 705	19 635	20 443	20 588	22 340	(X)
1984 ---	7 703	7 807	8 391	7 664	8 610	8 247	8 178	9 063	8 343	8 296	8 299	8 136	23 901	24 521	25 584	24 731	(X)
1985 ---	10 605	8 091	8 818	8 784	8 868	9 346	8 577	8 662	8 902	8 394	8 461	8 592	27 514	26 998	26 141	25 447	(X)
1986 ---	9 241	8 659	8 792	8 309	8 404	8 832	9 026	8 393	8 891	9 107	7 958	8 568	26 692	25 545	26 310	25 633	(X)
1987 ---	8 265	8 218	8 146	10 007	8 542	9 707	9 592	9 335	9 865	9 079	8 997	8 690	24 729	28 256	28 792	26 766	(X)
1988 ---	9 263	9 000	8 714	7 452	10 869	8 286	9 554	9 057	9 577	8 772	9 547	12 048	26 977	26 607	28 188	30 367	(X)
1989 ---	10 474	10 012	9 455	9 300	9 527	10 042	9 063	9 347	11 236	10 140	10 641	10 685	29 941	28 869	29 646	31 466	(X)
1990 ---	10 279	9 287	9 934	9 746	10 134	9 596	9 895	9 737	9 333	9 842	8 492	8 027	29 500	29 476	28 965	26 361	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	9.6	5.6	12.7	-6.5	-15.7	14.8	-1.8	4.0	1.5	-7.2	3.9	2.1	15.4	-3.6	4.7	-1.9	(X)
1983 ---	-4.7	-	-6.3	9.0	-2.7	4.8	1.5	-6.6	4.8	5.8	-	5.3	-4.2	4.1	7	8.5	(X)
1984 ---	-	14	7.5	-8.7	12.3	-4.2	-8	10.8	-7.9	-6	-	-2.0	7.0	2.6	4.3	-3.3	(X)
1985 ---	30.3	-23.7	9.0	-4	1.0	5.4	-8.2	1.0	2.8	-5.7	8	1.5	11.3	-1.9	-3.2	-2.7	(X)
1986 ---	7.6	-6.3	1.5	-5.5	1.1	5.1	2.2	-7.0	5.9	2.4	-12.6	7.7	4.9	-4.3	3.0	-2.6	(X)
1987 ---	-2.4	-1.8	-9	22.8	-14.6	13.6	-1.2	-2.7	5.7	-8.0	-9	-3.4	-3.5	14.3	1.9	-7.0	(X)
1988 ---	6.6	-2.8	-3.2	-14.5	45.9	-23.8	15.3	-5.2	5.7	-8.4	8.8	26.2	1.8	-1.4	5.9	7.7	(X)
1989 ---	-13.1	-4.4	-5.6	-1.6	2.4	5.4	-9.7	3.1	20.2	-9.8	4.9	4	-1.4	-3.6	2.7	6.1	(X)
1990 ---	-3.8	-9.7	7.0	-1.9	4.0	-5.3	3.1	-1.6	-4.1	5.5	-13.7	-5.5	-6.2	-1	-1.7	-9.0	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb.	March	April	May	June	July	Aug	Sept	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
SEARCH AND NAVIGATION EQUIPMENT—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	2 214	2 032	3 076	2 342	1 426	2 233	1 841	2 139	2 328	2 086	2 118	2 817	7 322	6 001	6 308	7 021	26 652
1983	2 080	2 124	2 023	1 993	2 023	1 753	1 629	1 628	2 129	2 174	2 028	2 748	6 227	5 769	5 386	6 950	24 332
1984	2 508	3 016	3 432	1 877	2 710	2 561	2 129	3 250	3 311	2 564	2 341	3 214	8 956	7 148	8 690	8 119	32 913
1985	4 986	2 624	4 232	2 718	3 132	3 527	2 240	2 800	4 279	2 921	2 619	3 453	11 842	9 377	9 319	8 993	39 531
1986	3 332	3 387	4 451	2 413	2 513	3 335	2 663	2 485	3 597	3 374	2 404	3 931	11 170	8 261	8 745	9 709	37 885
1987	2 212	2 636	2 977	3 675	2 391	3 433	2 556	2 727	4 114	3 275	3 320	3 677	7 825	9 499	9 397	10 272	36 993
1988	2 260	2 892	2 495	497	3 949	1 668	1 823	1 821	3 464	2 185	3 426	6 110	7 647	6 114	7 108	11 721	32 590
1989	3 227	3 639	2 799	2 545	2 340	3 100	1 803	1 876	3 836	3 367	4 908	5 528	9 665	7 985	7 515	13 803	38 968
1990	2 296	2 223	2 923	2 674	2 908	2 915	2 237	1 983	2 808	2 584	2 421	3 170	7 442	8 497	7 028	8 175	31 142
Seasonally Adjusted—Millions of Dollars																	
1982	2 021	1 954	2 788	2 420	1 457	2 349	2 246	2 278	2 179	2 157	2 257	2 571	6 763	6 226	6 703	6 985	(X)
1983	1 860	1 987	1 702	2 122	2 076	1 875	2 079	1 764	1 880	2 324	2 280	2 320	5 549	6 073	5 723	6 924	(X)
1984	2 369	2 822	1 936	2 146	2 814	2 687	2 694	3 363	2 927	2 749	2 289	2 558	8 127	7 647	8 984	8 036	(X)
1985	4 972	2 471	3 449	3 145	3 341	3 644	2 959	3 040	3 655	3 000	2 997	2 673	10 892	10 130	9 654	8 670	(X)
1986	3 492	3 267	3 484	2 952	2 858	3 415	3 431	2 888	2 947	3 256	2 510	2 925	10 243	9 225	9 266	8 691	(X)
1987	2 727	2 486	2 264	4 090	2 806	3 439	3 352	3 338	3 557	3 041	2 937	2 458	7 477	10 335	10 247	8 436	(X)
1988	3 016	2 680	2 192	861	4 306	1 607	2 617	2 523	3 028	1 941	2 739	4 597	7 888	6 774	8 168	9 277	(X)
1989	4 122	3 548	2 742	2 840	2 712	2 975	2 625	2 691	3 478	3 154	3 981	3 855	10 412	8 527	8 794	10 990	(X)
1990	3 142	2 318	2 973	2 969	3 267	2 766	3 103	2 869	2 471	2 328	1 474	1 552	8 433	9 002	8 443	5 354	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	26.4	-3.3	42.7	-13.2	-39.8	61.2	-4.4	1.4	-4.3	-1.0	4.6	13.9	35.4	-7.9	7.7	4.2	(X)
1983	-27.7	6.8	-14.3	24.7	-2.2	-9.7	10.9	-15.2	6.6	23.6	-1.9	1.8	-20.6	9.4	-5.8	21.0	(X)
1984	2.1	19.1	4.0	-26.9	31.1	-4.5	3	24.8	-13.0	-6.1	-7	-6.3	17.4	-5.9	17.5	-10.6	(X)
1985	94.4	-50.3	39.6	-8.8	6.2	9.1	-18.8	2.7	20.2	-17.9	-1	-10.8	35.5	-7.0	-4.7	-10.2	(X)
1986	30.6	-6.4	6.6	-15.3	-3.2	19.5	5	-15.8	2.0	10.5	-22.9	16.5	18.1	-9.9	4	-6.2	(X)
1987	-6.8	-8.8	-8.9	80.7	-31.4	22.6	-2.5	-4.4	6.6	-14.5	-3.4	-16.3	-14.0	38.2	-9	-17.7	(X)
1988	22.7	-11.1	-18.2	-60.7	400.1	-62.7	62.9	-3.6	20.0	-35.9	41.1	67.8	-6.5	-14.1	20.6	13.6	(X)
1989	-10.3	-13.9	-22.7	3.6	-4.5	9.7	-11.8	2.5	29.2	-9.3	26.2	-3.2	12.2	-18.1	3.1	25.0	(X)
1990	-18.5	-26.2	28.3	-1	10.0	-15.3	12.2	-7.5	-13.9	-5.8	-36.7	5.3	-23.3	6.7	-6.2	-36.6	(X)
MEASURING AND CONTROLLING DEVICES—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982	1 532	1 846	1 989	1 715	1 621	1 784	1 459	1 714	1 983	1 567	1 589	1 648	5 367	5 120	5 156	4 804	20 447
1983	1 729	1 780	1 832	1 765	1 679	2 070	1 723	1 747	2 035	1 870	1 846	2 055	5 341	5 514	5 505	5 771	22 131
1984	1 968	1 837	2 221	2 042	2 246	2 302	1 936	2 215	2 263	2 162	2 168	2 301	6 026	6 590	6 414	6 631	25 661
1985	2 064	2 236	2 220	2 159	2 111	2 448	2 009	2 171	2 178	2 084	2 029	2 112	6 520	6 718	6 358	6 600	26 196
1986	2 052	2 046	2 227	1 987	2 128	2 268	1 904	2 072	2 394	2 128	1 877	2 149	6 325	6 383	6 370	6 154	25 232
1987	1 958	2 019	2 308	2 067	2 021	2 446	2 103	2 128	2 377	2 171	2 107	2 347	6 285	6 534	6 608	6 625	26 052
1988	2 214	2 373	2 626	2 398	2 458	2 673	2 475	2 445	2 589	2 592	2 491	2 913	7 213	7 529	7 509	7 996	30 247
1989	2 245	2 111	2 662	2 099	2 526	2 349	2 165	2 472	2 822	2 508	2 378	2 692	7 018	6 974	7 459	7 578	29 029
1990	2 357	2 408	2 662	2 337	2 463	2 520	2 158	2 294	2 313	2 474	2 220	2 301	7 427	7 320	6 765	6 995	28 507
Seasonally Adjusted—Millions of Dollars																	
1982	1 619	1 837	1 846	1 759	1 645	1 661	1 639	1 753	1 864	1 568	1 644	1 588	5 302	5 065	5 256	4 800	(X)
1983	1 823	1 771	1 707	1 810	1 700	1 948	1 906	1 779	1 915	1 878	1 914	1 979	5 301	5 458	5 600	5 771	(X)
1984	2 081	1 828	2 082	2 099	2 269	2 156	2 137	2 248	2 125	2 174	2 250	2 212	5 991	6 524	6 510	6 636	(X)
1985	2 187	2 228	2 074	2 220	2 138	2 291	2 191	2 200	2 046	2 097	2 116	2 398	6 489	6 649	6 437	6 611	(X)
1986	2 185	2 047	2 085	2 052	2 155	2 113	2 077	2 093	2 260	2 139	1 961	2 067	6 317	6 320	6 430	6 167	(X)
1987	2 081	2 036	2 157	2 135	2 044	2 293	2 273	2 140	2 234	2 175	2 196	2 270	6 274	6 472	6 647	6 641	(X)
1988	2 344	2 409	2 458	2 484	2 478	2 508	2 667	2 452	2 428	2 588	2 582	2 837	7 211	7 470	7 547	8 007	(X)
1989	2 385	2 161	2 490	2 181	2 540	2 197	2 340	2 477	2 652	2 498	2 469	2 630	7 036	6 918	7 469	7 597	(X)
1990	2 497	2 467	2 478	2 430	2 475	2 368	2 335	2 296	2 159	2 465	2 301	2 244	7 442	7 273	6 790	7 010	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	6.0	13.5	5	-4.7	-6.5	1.0	-1.3	7.0	6.3	-15.9	4.8	-3.4	9.6	-4.5	3.8	-8.7	(X)
1983	14.8	-2.9	-3.6	6.0	-6.1	14.6	-2.2	-6.7	7.6	-1.9	1.9	3.4	10.4	3.0	2.6	3.1	(X)
1984	5.2	-12.2	13.9	8	8.1	-5.0	-9	5.2	-5.5	2.3	3.5	-1.7	3.8	8.9	-2	1.9	(X)
1985	-1.1	1.9	-6.9	7.0	-3.7	7.2	-4.4	4	-7.0	2.5	9	13.3	-2.2	2.5	-3.2	2.7	(X)
1986	-8.9	-6.3	1.9	-1.6	5.0	-1.9	-1.7	8	8.0	-5.4	-8.3	5.4	-4.4	-	1.7	-4.1	(X)
1987	7	-2.2	5.9	-1.0	-4.3	12.2	-9	-5.9	4.4	-2.6	1.0	3.4	1.7	3.2	2.7	-1	(X)
1988	3.3	2.8	2.0	1.1	-2	1.2	6.3	-8.1	-1.0	6.6	-2	9.9	8.6	3.6	1.0	6.1	(X)
1989	-15.9	-9.4	15.2	-12.4	16.5	-13.5	6.5	5.9	7.1	-5.8	-1.2	6.5	-12.1	-1.7	8.0	1.7	(X)
1990	-5.1	-1.2	4	-1.9	1.9	-4.3	-1.4	-1.7	-6.0	14.2	-6.7	-2.5	-2.0	-2.3	-6.6	3.2	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MEDICAL INSTRUMENTS AND SUPPLIES—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	1 085	1 326	1 447	1 263	1 217	1 349	1 114	1 304	1 524	1 210	1 227	1 281	3 858	3 829	3 942	3 718	15 347
1983 ---	1 317	1 353	1 391	1 339	1 262	1 560	1 290	1 313	1 516	1 397	1 371	1 522	4 061	4 161	4 119	4 290	16 631
1984 ---	1 458	1 377	1 646	1 508	1 653	1 700	1 422	1 633	1 670	1 600	1 599	1 708	4 481	4 861	4 725	4 907	18 974
1985 ---	1 542	1 673	1 663	1 619	1 592	1 638	1 520	1 640	1 639	1 570	1 533	1 865	4 878	5 049	4 799	4 968	19 694
1986 ---	1 576	1 567	1 707	1 530	1 647	1 752	1 501	1 644	1 920	1 738	1 557	1 803	4 850	4 929	5 065	5 088	19 942
1987 ---	1 698	1 765	2 025	1 866	1 837	2 225	1 951	1 981	2 209	2 023	1 964	2 181	5 488	5 928	6 141	6 168	23 725
1988 ---	1 919	2 048	2 267	2 052	2 093	2 292	2 107	2 076	2 186	2 204	2 111	2 476	6 234	6 437	6 369	6 791	25 831
1989 ---	1 754	2 210	2 191	2 088	2 054	2 804	2 001	2 040	3 016	2 265	1 956	1 989	6 155	6 946	7 057	6 210	26 368
1990 ---	2 343	2 357	2 421	2 101	2 196	2 541	2 297	2 266	2 524	2 584	2 255	2 206	7 121	6 838	7 087	7 045	28 091
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 152	1 316	1 346	1 295	1 236	1 257	1 247	1 334	1 436	1 207	1 270	1 232	3 814	3 788	4 017	3 709	(X)
1983 ---	1 397	1 343	1 297	1 374	1 278	1 467	1 423	1 337	1 430	1 400	1 422	1 463	4 037	4 119	4 190	4 285	(X)
1984 ---	1 547	1 368	1 545	1 549	1 670	1 594	1 562	1 657	1 575	1 607	1 659	1 641	4 460	4 813	4 794	4 907	(X)
1985 ---	1 635	1 664	1 555	1 665	1 611	1 723	1 650	1 662	1 549	1 582	1 596	1 797	4 854	4 999	4 861	4 975	(X)
1986 ---	1 675	1 559	1 603	1 580	1 669	1 635	1 624	1 663	1 828	1 753	1 623	1 733	4 837	4 884	5 115	5 109	(X)
1987 ---	1 801	1 758	1 901	1 927	1 861	2 087	2 087	1 999	2 100	2 043	2 045	2 107	5 460	5 875	6 186	6 195	(X)
1988 ---	2 034	2 038	2 128	2 127	2 121	2 141	2 249	2 094	2 071	2 227	2 196	2 403	6 200	6 389	6 414	6 826	(X)
1989 ---	1 876	2 198	2 052	2 163	2 081	2 660	2 126	2 058	2 904	2 293	2 042	1 924	6 126	6 904	7 088	6 259	(X)
1990 ---	2 462	2 343	2 271	2 187	2 227	2 385	2 434	2 285	2 399	2 621	2 351	2 138	7 076	6 799	7 118	7 110	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	7.2	14.2	2.3	-3.8	-4.6	1.7	-8	7.0	7.6	-15.9	5.2	-3.0	13.5	-7	6.0	-7.7	(X)
1983 ---	13.4	-3.9	-3.4	5.9	-7.0	14.8	-3.0	-6.0	7.0	-2.1	1.6	2.9	8.8	2.0	1.7	2.3	(X)
1984 ---	5.7	-11.6	12.9	3	7.8	-4.6	-2.0	6.1	-4.9	2.0	3.2	-1.1	4.1	7.9	-4	2.4	(X)
1985 ---	-4	1.8	-6.6	7.1	-3.2	7.0	-4.2	7	-6.8	2.1	9	12.6	-1.1	3.0	-2.8	2.3	(X)
1986 ---	-6.8	-6.9	2.8	-1.4	5.6	-2.0	-7	2.4	9.9	-4.1	-7.4	6.8	-2.8	1.0	4.7	-1	(X)
1987 ---	3.9	-2.4	8.1	1.4	-3.4	12.1	-	-4.2	5.1	-2.7	1	3.0	6.9	7.6	5.3	1	(X)
1988 ---	-3.5	2	4.4	-	-3	9	5.0	-6.9	-1.1	7.5	-1.4	9.4	1	3.0	4	6.4	(X)
1989 ---	-21.9	17.2	-6.6	5.4	-3.8	27.8	-20.1	-3.2	41.1	-21.0	-10.9	-5.8	-10.3	12.7	2.7	-11.7	(X)
1990 ---	28.0	-4.8	-3.1	-3.7	1.8	7.1	2.1	-6.1	5.0	9.3	-10.3	-9.1	13.1	-3.9	4.7	-1	(X)
ALL OTHER DURABLE GOODS INDUSTRIES—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	7 078	8 001	8 810	8 077	8 088	8 145	7 477	8 036	8 112	8 082	7 296	6 484	23 889	24 310	23 625	21 862	93 686
1983 ---	7 219	8 201	8 995	9 124	9 358	9 660	8 791	9 499	9 447	9 775	8 829	8 268	24 415	28 142	27 737	26 872	107 166
1984 ---	8 584	10 114	10 419	10 571	10 065	9 823	9 501	9 853	9 653	10 197	8 769	8 675	29 117	30 459	29 007	27 641	116 224
1985 ---	9 674	9 897	10 760	10 133	10 151	10 582	9 226	9 900	9 982	10 030	8 957	8 283	30 331	30 866	29 108	27 270	117 575
1986 ---	9 836	10 260	11 247	11 522	10 734	11 298	9 984	10 874	11 123	11 287	10 028	9 218	31 343	33 554	31 981	30 533	127 411
1987 ---	10 191	11 204	12 411	11 607	11 533	12 174	11 251	12 249	12 641	13 279	11 243	10 353	33 806	35 314	36 141	34 875	140 136
1988 ---	10 874	12 174	12 594	13 161	12 132	12 741	11 376	12 213	12 828	12 851	11 683	11 317	35 642	38 034	36 417	35 851	145 944
1989 ---	12 097	12 526	13 459	13 235	12 826	13 134	11 691	12 954	13 109	13 387	11 706	10 674	38 082	39 195	37 754	35 767	150 798
1990 ---	11 477	12 477	13 239	12 977	13 031	13 153	11 791	12 889	12 807	12 616	11 265	10 009	37 193	39 161	37 487	33 890	147 731
Seasonally Adjusted—Millions of Dollars																	
1982 ---	7 801	7 836	8 206	7 572	7 863	7 762	7 879	7 759	7 900	7 733	7 869	7 673	23 843	23 197	23 538	23 275	(X)
1983 ---	7 857	8 023	8 406	8 617	9 006	9 137	9 149	9 173	9 276	9 457	9 540	9 644	24 286	26 760	27 598	28 641	(X)
1984 ---	9 427	9 877	9 510	9 820	9 741	9 355	9 925	9 636	9 576	9 824	9 362	10 075	28 814	28 916	29 137	29 261	(X)
1985 ---	10 787	9 525	9 578	9 560	9 940	10 021	9 724	9 728	9 790	9 560	9 541	9 451	29 890	29 521	29 242	28 552	(X)
1986 ---	10 832	10 157	10 321	10 938	10 497	10 703	10 518	10 658	10 751	10 774	10 796	10 510	31 310	32 138	31 927	32 080	(X)
1987 ---	10 979	11 179	11 471	11 085	11 281	11 569	11 817	11 997	12 156	12 659	12 198	11 771	33 629	33 935	35 970	36 628	(X)
1988 ---	11 677	12 199	11 625	12 508	11 909	12 123	12 007	11 984	12 323	12 146	12 419	13 050	35 501	36 540	36 314	37 615	(X)
1989 ---	13 090	12 494	12 485	12 559	12 589	12 525	12 302	12 695	12 637	12 726	12 493	12 275	38 069	37 673	37 634	37 494	(X)
1990 ---	12 343	12 466	12 411	12 315	12 749	12 518	12 440	12 583	12 317	11 965	12 096	11 440	37 220	37 582	37 340	35 501	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.8	4	4.7	-7.7	3.8	-1.3	1.5	-1.5	1.8	-2.1	1.8	-2.5	3.4	-2.7	1.5	-1.1	(X)
1983 ---	2.4	2.1	4.8	2.5	4.5	1.5	1	3	1.1	2.0	9	1.1	4.3	10.2	3.1	3.8	(X)
1984 ---	-2.3	4.8	-3.7	3.3	-8	-4.0	6.1	-2.9	-6	2.6	-4.7	7.6	6	4	8	4	(X)
1985 ---	7.1	-11.7	6	-2	4.0	8	-3.0	-	6	-2.3	-2	-9	2.1	-1.2	-9	-2.4	(X)
1986 ---	14.6	-6.2	1.6	6.0	-4.0	2.0	-1.7	1.3	9	2	2	-2.6	9.7	2.6	-7	5	(X)
1987 ---	4.5	1.8	2.6	-3.4	1.8	2.6	2.1	1.5	1.3	4.1	-3.6	-3.5	4.8	9	6.0	1.8	(X)
1988 ---	-8	4.5	-4.7	7.6	-4.8	1.8	-1.0	-2	2.8	-1.4	2.2	5.1	-3.1	2.9	-6	3.6	(X)
1989 ---	3	-4.6	-1	6	2	-5	-1.8	3.2	-5	7	-1.8	-1.7	1.2	-1.0	-1	-4	(X)
1990 ---	6	1.0	-4	-8	3.5	-1.8	-6	1.1	-2.1	-2.9	1.1	-5.4	-7	1.0	-6	-4.9	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec.	1st	2nd	3rd	4th	
	NONDURABLE GOODS INDUSTRIES, TOTAL—NEW ORDERS																
	Without Seasonal Adjustment—Millions of Dollars																
1982	79 494	84 852	86 031	82 837	84 320	88 273	80 102	84 980	89 468	85 164	82 762	80 637	250 377	255 430	254 550	248 563	1 008 920
1983	78 089	82 744	86 690	83 772	86 082	91 409	83 577	90 303	94 811	91 644	89 872	88 740	247 523	261 263	268 691	270 256	1 047 733
1984	85 880	91 627	95 605	92 640	92 964	96 697	89 305	93 433	97 425	94 156	91 608	91 245	273 112	282 301	280 163	277 009	1 112 585
1985	86 597	92 923	96 883	92 462	94 148	96 903	88 735	93 615	97 476	94 699	93 635	92 133	276 403	283 513	279 826	280 467	1 120 209
1986	88 722	92 274	92 374	90 132	90 307	94 501	85 011	91 831	97 966	93 520	91 397	90 648	273 370	274 940	274 808	275 565	1 098 683
1987	87 814	96 560	99 241	96 136	96 819	102 850	95 968	100 051	106 309	103 140	100 148	97 915	283 615	295 805	302 328	301 203	1 182 951
1988	95 473	101 543	105 872	103 100	103 802	110 516	102 116	108 137	112 837	109 511	107 380	106 686	302 888	317 418	323 090	323 577	1 266 973
1989	104 287	110 535	113 958	112 624	112 527	118 086	106 529	113 655	118 014	114 930	111 458	108 683	328 780	343 237	338 198	335 071	1 345 286
1990	106 258	113 065	118 705	114 091	114 886	120 141	109 980	122 983	128 501	126 860	122 381	114 363	338 028	349 118	361 464	363 604	1 412 214
	Seasonally Adjusted—Millions of Dollars																
1982	84 674	85 100	83 706	83 941	84 432	84 677	84 050	83 869	84 806	83 304	83 423	82 639	253 480	253 050	252 725	249 366	(X)
1983	83 384	82 949	84 348	84 859	86 189	87 754	87 568	89 190	89 821	89 892	90 842	91 159	250 681	258 802	266 579	271 893	(X)
1984	91 800	91 812	92 837	93 623	93 011	92 928	93 644	92 623	92 195	92 366	92 599	93 668	276 449	279 562	278 462	278 633	(X)
1985	92 437	93 010	94 096	93 172	94 345	93 142	92 846	92 655	92 162	92 710	94 437	94 504	279 543	280 659	277 663	281 651	(X)
1986	94 635	92 318	89 711	90 830	90 803	90 664	89 210	91 022	92 481	91 387	92 235	93 273	276 664	272 297	272 713	276 895	(X)
1987	93 634	96 676	96 380	96 797	97 353	98 713	100 550	99 103	100 613	100 914	101 229	101 039	286 690	292 863	300 266	303 182	(X)
1988	101 558	101 537	102 690	103 576	104 276	105 960	107 237	107 018	107 047	107 140	108 398	110 316	305 785	313 812	321 302	325 854	(X)
1989	111 209	110 726	110 662	113 187	112 957	113 286	111 929	112 351	111 898	112 338	112 218	112 130	332 597	339 430	336 178	336 686	(X)
1990	113 400	113 548	115 392	114 730	115 382	115 339	115 652	121 572	122 094	124 101	123 044	117 975	342 340	345 451	359 318	365 120	(X)
	Seasonally Adjusted—Percent Change From Previous Period																
1982	3.0	.5	-1.6	3	6	.3	-7	-2	1.1	-1.8	1	-9	1.8	-2	-1	-1.3	(X)
1983	.9	-5	1.7	6	1.6	1.8	-2	1.9	7	1	1.1	.3	5	3.2	3.0	2.0	(X)
1984	7	-	1.1	8	-7	-	8	-1.1	-5	2	.3	1.2	1.7	1.1	-4	.1	(X)
1985	-1.3	6	1.2	-1.0	1.3	-1.3	-3	-2	-5	6	1.9	1	.3	.4	-1.1	1.4	(X)
1986	1	-2.4	-2.8	1.2	-	-2	-1.6	2.0	1.6	-1.2	.9	1.1	-1.8	-1.6	2	1.5	(X)
1987	4	3.2	-3	4	6	1.4	1.9	-1.4	1.5	.3	.3	-2	3.5	2.2	2.5	1.0	(X)
1988	.5	-	1.1	.9	-7	1.6	1.2	-2	-	.1	1.2	1.8	.9	2.6	2.4	1.4	(X)
1989	.8	-4	-1	2.3	-2	.3	-1.2	4	-4	4	-1	-1	2.1	2.1	-1.0	.2	(X)
1990	1.1	1	1.6	-6	6	-	.3	5.1	4	1.6	-9	-4.1	1.7	.9	4.0	1.6	(X)
	NONDURABLE GOODS WITH UNFILLED ORDERS—NEW ORDERS																
	Without Seasonal Adjustment—Millions of Dollars																
1982	16 721	17 531	18 316	17 486	17 329	17 363	16 120	17 831	18 562	18 227	17 907	17 525	52 568	52 178	52 513	53 659	210 918
1983	17 596	18 339	19 576	19 089	19 021	19 668	18 369	20 083	20 640	20 987	20 263	19 963	55 511	57 778	59 092	61 213	233 594
1984	20 077	21 361	21 608	21 192	21 176	21 719	20 355	21 262	22 344	21 981	21 120	21 198	63 046	64 087	63 961	64 299	255 393
1985	20 725	21 697	22 726	21 346	21 894	22 532	20 643	21 923	23 383	22 673	22 060	22 353	65 148	65 772	65 949	67 086	263 955
1986	21 565	22 799	23 404	22 629	22 289	23 863	21 400	23 691	25 540	24 934	23 916	23 923	67 768	68 781	70 631	72 773	279 953
1987	23 354	25 733	26 102	25 012	24 334	26 286	25 172	26 080	27 074	27 394	25 919	25 641	75 189	75 632	78 326	78 954	308 101
1988	25 404	26 832	27 400	26 742	26 399	27 828	26 137	27 962	29 022	28 328	28 008	27 998	79 636	80 969	83 121	84 334	328 060
1989	27 072	28 746	29 169	28 406	27 945	29 724	26 625	29 186	30 047	29 259	28 753	27 074	84 987	86 075	85 858	85 086	342 006
1990	27 180	29 142	30 763	29 430	28 757	29 960	27 119	30 772	30 964	29 913	29 337	27 835	87 085	88 147	88 855	87 085	351 172
	Seasonally Adjusted—Millions of Dollars																
1982	17 398	17 284	17 664	17 408	17 441	17 252	17 261	17 635	17 754	17 587	18 104	18 017	52 346	52 101	52 650	53 708	(X)
1983	18 340	18 148	18 893	19 048	19 173	19 497	19 576	19 903	19 726	20 294	20 566	20 439	55 381	57 718	59 205	61 299	(X)
1984	20 985	21 148	20 735	21 210	21 407	21 437	21 603	21 140	21 318	21 218	21 413	21 578	62 868	64 054	64 061	64 209	(X)
1985	21 625	21 503	21 978	21 458	22 261	22 171	21 840	21 768	22 284	21 902	22 301	22 738	65 106	65 890	65 892	66 941	(X)
1986	22 538	22 591	22 662	22 765	22 789	23 417	22 673	23 551	24 340	24 087	24 134	24 330	67 791	68 971	70 564	72 551	(X)
1987	24 427	25 541	25 207	25 147	24 970	25 826	26 549	25 817	25 993	26 553	26 234	26 303	75 175	75 943	78 159	79 090	(X)
1988	26 510	26 480	26 369	26 877	27 141	27 199	27 655	27 578	27 669	27 514	28 194	28 750	79 359	81 217	82 902	84 458	(X)
1989	28 431	28 463	28 072	28 516	28 682	29 069	28 286	28 683	28 638	28 422	28 801	27 797	84 966	86 267	85 607	85 020	(X)
1990	28 685	28 894	29 666	29 541	29 510	29 289	28 842	30 176	29 507	29 126	29 336	28 609	87 245	88 340	88 525	87 071	(X)
	Seasonally Adjusted—Percent Change From Previous Period																
1982	2.6	-7	2.2	-1.4	2	-1.1	1	2.2	7	-9	2.9	-5	2.0	-5	1.1	2.0	(X)
1983	1.8	-1.0	4.1	8	7	1.7	.4	1.7	-9	2.9	1.3	-6	3.1	4.2	2.6	3.5	(X)
1984	2.7	.8	-2.0	2.3	9	1	8	-2.1	8	-5	.9	8	2.6	1.9	-	.2	(X)
1985	2	-6	2.2	-2.4	3.7	-4	-1.5	-3	2.4	-1.7	1.8	2.0	1.4	1.2	-	1.6	(X)
1986	-9	2	.3	5	1	2.8	-3.2	3.9	3.4	-1.0	.2	.8	1.3	1.7	2.3	2.8	(X)
1987	4	4.6	-1.3	-2	-7	3.4	2.8	-2.8	-1	2.9	-1.2	3	3.6	1.0	2.9	1.2	(X)
1988	.8	-1	-4	1.9	1.0	2	1.7	-3	3	-6	2.5	2.0	3	2.3	2.1	1.9	(X)
1989	-1.1	1	-1.4	1.6	6	1.3	-2.7	1.4	-2	-8	1.3	-3.5	6	1.5	-8	-7	(X)
1990	3.2	7	2.7	-4	-1	-7	-1.5	4.6	-2.2	-1.3	7	-2.5	2.6	1.3	2	-1.6	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb	March	April	May	June	July	Aug	Sept	Oct.	Nov	Dec	1st	2nd	3rd	4th	
AUTOMOTIVE EQUIPMENT—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	4 006	4 463	5 214	5 474	5 563	5 899	4 695	4 477	5 243	5 136	4 447	4 140	13 683	16 936	14 415	13 723	58 757
1983 ---	5 116	5 852	6 144	6 343	6 532	7 088	5 583	6 097	7 004	7 728	7 394	6 757	17 112	19 963	18 684	21 879	77 638
1984 ---	7 657	8 173	8 457	8 182	7 864	8 372	6 533	7 109	7 305	8 192	8 036	6 835	24 287	24 418	20 947	23 063	92 715
1985 ---	7 818	8 412	8 721	8 385	8 595	8 505	6 367	7 401	8 713	8 865	8 479	6 805	25 051	25 485	22 481	24 149	97 166
1986 ---	8 599	9 066	8 631	9 300	8 652	9 069	6 761	7 329	8 679	9 384	7 936	7 918	26 236	27 021	22 769	25 238	101 264
1987 ---	8 555	10 168	9 977	9 464	9 456	9 366	6 339	7 267	8 768	9 669	8 932	7 306	28 700	28 286	22 374	25 907	105 267
1988 ---	8 364	9 481	9 873	9 842	10 116	10 096	6 885	8 388	9 445	10 795	9 939	8 970	27 718	30 054	24 718	29 704	112 194
1989 ---	10 020	10 750	10 270	10 787	10 302	9 442	5 962	9 063	9 477	9 692	9 550	7 787	31 040	30 531	24 502	27 029	113 102
1990 ---	6 241	9 269	9 973	9 391	10 319	10 248	6 613	9 013	9 067	10 187	7 776	5 586	25 483	29 958	24 693	23 549	103 683
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 202	4 413	4 751	5 033	5 174	5 362	5 619	5 137	5 170	4 753	4 452	4 868	13 366	15 569	15 926	14 073	(X)
1983 ---	5 349	5 726	5 603	5 820	6 077	6 436	6 723	6 873	6 934	7 258	7 350	7 953	16 678	18 333	20 530	22 561	(X)
1984 ---	7 954	7 827	7 738	7 530	7 328	7 617	7 995	8 043	7 259	7 704	7 969	8 055	23 519	22 475	23 297	23 728	(X)
1985 ---	8 195	7 894	7 977	7 706	7 998	7 811	7 942	8 375	8 657	8 306	8 376	7 994	24 066	23 515	24 974	24 676	(X)
1986 ---	8 993	8 249	7 904	8 563	8 055	8 400	8 631	8 333	8 599	8 710	7 834	9 242	25 146	25 018	25 563	25 786	(X)
1987 ---	8 860	9 384	9 116	8 744	8 809	8 716	8 208	8 195	8 662	8 890	8 810	8 451	27 360	26 269	25 065	26 151	(X)
1988 ---	8 711	8 761	9 029	9 103	9 376	9 389	9 123	9 418	9 281	9 857	9 804	10 334	26 501	27 868	27 822	29 995	(X)
1989 ---	10 497	9 945	9 404	9 986	9 505	8 769	8 003	10 094	9 298	8 812	9 458	8 929	29 846	28 260	27 395	27 199	(X)
1990 ---	6 559	8 617	9 138	8 722	9 508	9 531	9 041	9 967	8 884	9 251	7 692	6 375	24 314	27 761	27 892	23 318	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-8.0	5.0	7.7	5.9	2.8	3.6	4.8	-8.6	6	-8.1	-6.3	9.3	-5.6	16.5	2.3	-11.6	(X)
1983 ---	9.9	7.0	-2.1	3.9	4.4	5.9	4.5	2.2	9	4.7	1.3	8.2	18.5	9.9	12.0	9.9	(X)
1984 ---	-	-1.6	-1.1	-2.7	-2.7	3.9	5.0	6	-9.7	6.1	3.4	1.1	4.2	-4.4	3.7	1.9	(X)
1985 ---	1.7	-3.7	1.1	-3.4	3.8	-2.3	1.7	5.5	3.4	-4.1	8	-4.6	1.4	-2.3	6.2	-1.2	(X)
1986 ---	12.5	-8.3	-4.2	8.3	-5.9	4.3	2.7	-3.5	3.2	1.3	-10.1	18.0	1.9	-5	2.2	9	(X)
1987 ---	-4.1	5.9	-2.9	-4.1	7	-1.1	-5.8	-2	5.7	2.6	-9	-4.1	6.1	-4.0	-4.6	4.3	(X)
1988 ---	3.1	.6	3.1	8	3.0	1	-2.8	3.2	-1.5	6.2	-5	5.4	1.3	5.2	-2	7.8	(X)
1989 ---	1.6	-5.3	-5.4	6.2	-4.8	-7.7	-8.7	26.1	-7.9	-5.2	7.3	-5.6	-5	-5.3	-3.1	-7	(X)
1990 ---	-26.5	31.4	6.0	-4.6	9.0	2	-5.1	10.2	-10.9	4.1	-16.9	-17.1	-10.6	14.2	5	-16.4	(X)
HOME GOODS AND APPAREL—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	9 467	11 558	12 506	10 745	10 938	11 527	10 502	12 139	11 972	11 684	10 891	8 800	33 531	33 210	34 613	31 375	132 729
1983 ---	9 941	11 779	11 770	11 344	11 699	12 232	11 749	13 555	13 042	13 084	12 614	10 581	33 490	35 275	38 346	36 279	143 390
1984 ---	11 862	13 891	13 889	12 656	13 075	12 687	12 386	13 713	13 032	12 610	11 658	10 534	39 642	38 418	39 131	34 802	151 993
1985 ---	12 173	13 347	13 723	11 997	12 276	12 962	12 053	14 201	13 784	13 682	12 781	10 732	39 243	37 235	40 038	37 195	153 711
1986 ---	12 445	13 634	14 359	12 734	12 607	13 887	12 512	14 673	15 122	13 924	13 238	10 482	40 438	39 228	42 307	37 644	159 617
1987 ---	12 263	14 511	14 998	12 950	12 948	13 912	13 249	14 869	15 277	14 757	13 415	10 579	41 772	39 810	43 395	38 751	163 728
1988 ---	12 817	14 952	14 299	13 181	12 737	14 688	13 253	14 892	15 586	14 895	13 896	12 082	42 068	40 606	43 731	40 873	167 278
1989 ---	13 984	15 056	15 512	14 180	13 329	14 800	13 484	15 379	15 927	15 724	14 123	11 806	44 552	42 309	44 790	41 653	173 304
1990 ---	13 072	14 881	15 016	13 247	13 620	15 106	13 499	15 334	15 793	15 260	14 435	11 836	42 969	41 973	44 626	41 531	171 099
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 587	11 012	11 777	10 916	11 260	11 173	11 052	11 016	11 124	10 978	11 095	10 861	33 376	33 349	33 192	32 934	(X)
1983 ---	10 897	11 212	10 992	11 635	11 906	11 887	12 218	12 244	12 213	12 507	12 812	12 993	33 101	35 428	36 675	38 312	(X)
1984 ---	13 043	13 191	12 781	12 840	13 285	12 481	12 900	12 483	12 212	12 131	11 727	13 005	39 015	38 606	37 595	36 863	(X)
1985 ---	13 475	12 453	12 330	12 483	12 661	12 674	12 646	13 044	12 733	12 980	12 812	13 184	38 258	37 818	38 423	38 976	(X)
1986 ---	13 598	12 858	13 221	13 380	13 073	13 526	13 168	13 560	13 796	13 213	13 402	12 904	39 677	39 979	40 524	39 519	(X)
1987 ---	13 239	13 721	13 821	13 610	13 588	13 505	13 838	13 770	13 911	13 996	13 791	13 043	40 781	40 703	41 519	40 830	(X)
1988 ---	13 695	14 058	13 108	13 757	13 531	14 199	13 947	13 897	14 159	13 921	14 040	14 823	40 861	41 487	42 003	42 784	(X)
1989 ---	15 163	14 131	14 364	14 900	14 155	14 204	14 182	14 424	14 518	14 720	14 284	14 290	43 658	43 259	43 124	43 294	(X)
1990 ---	14 038	13 971	14 029	13 903	14 464	14 451	14 218	14 372	14 417	14 263	14 707	14 241	42 038	42 818	43 007	43 211	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.3	4.0	6.9	-7.3	3.2	-8	-1.1	-3	1.0	-1.3	1.1	-2.1	4.7	-1	-5	-8	(X)
1983 ---	.3	2.9	-2.0	5.8	2.3	-2	2.8	2	-3	2.4	2.4	1.4	5	7.0	3.5	4.5	(X)
1984 ---	4	1.1	-3.1	.5	3.5	-6.1	3.4	-3.2	-2.2	-7	-3.3	10.9	1.8	-1.0	-2.6	-1.9	(X)
1985 ---	3.6	-7.6	-1.0	1.2	1.4	1	-2	3.1	-2.4	1.9	-1.3	2.9	3.8	-1.2	1.6	1.4	(X)
1986 ---	3.1	-5.4	2.8	1.2	-2.3	3.5	-2.6	3.0	1.7	-4.2	1.4	-3.7	1.8	8	14	-2.5	(X)
1987 ---	2.6	3.6	7	-1.5	-2	-6	2.5	-5	1.0	6	-1.5	-5.4	3.2	-2	2.0	-1.7	(X)
1988 ---	5.0	2.7	-6.8	5.0	-1.6	4.9	-1.8	-4	1.9	-1.7	.9	5.6	1	1.5	1.2	1.9	(X)
1989 ---	2.3	-6.8	1.6	3.7	-5.0	3	-2	1.7	7	1.4	-3.0	-	2.0	-9	-3	4	(X)
1990 ---	-1.8	-5	4	-9	4.0	-1	-1.6	1.1	.3	-1.1	3.1	-3.2	-2.9	1.9	4	5	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
CONSUMER STAPLES—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	37 965	40 240	40 341	39 262	40 397	42 817	39 017	40 388	43 797	41 222	40 416	40 318	118 546	122 476	123 202	121 956	486 180
1983 ---	37 299	39 221	40 998	38 999	40 397	43 031	39 316	41 825	44 432	41 820	41 428	42 326	117 518	122 427	125 573	125 574	491 092
1984 ---	39 008	41 055	43 398	41 894	42 184	44 446	41 086	42 645	45 336	43 473	42 465	43 711	123 461	128 524	129 067	129 649	510 701
1985 ---	40 059	42 697	44 351	41 785	43 466	45 304	41 297	42 739	45 315	43 036	43 567	44 310	127 291	130 555	129 351	130 913	518 110
1986 ---	41 034	41 769	41 951	39 945	41 412	43 537	39 252	41 753	45 020	42 435	42 187	43 002	124 754	124 894	126 025	127 624	503 297
1987 ---	39 513	42 474	43 892	42 364	43 561	46 467	43 285	44 749	48 624	45 744	45 373	45 731	125 879	132 392	136 658	136 848	531 777
1988 ---	42 601	44 503	46 840	45 113	46 418	49 387	45 301	48 039	51 044	48 483	48 417	48 977	133 944	140 918	144 384	145 877	565 123
1989 ---	46 334	48 713	51 361	50 186	51 500	53 945	48 684	52 061	55 412	53 234	52 601	53 520	146 408	155 631	156 157	159 355	617 551
1990 ---	49 745	52 314	55 269	52 990	54 536	56 671	52 185	57 851	61 932	60 570	59 629	56 727	157 328	164 197	171 968	176 926	670 419
Seasonally Adjusted—Millions of Dollars																	
1982 ---	40 663	40 939	39 860	40 647	40 805	40 917	40 636	40 189	41 020	40 501	40 412	39 847	121 462	122 369	121 845	120 760	(X)
1983 ---	39 936	39 839	40 414	40 312	40 731	41 148	40 923	41 682	41 550	41 169	41 495	41 754	120 189	122 191	124 155	124 418	(X)
1984 ---	41 804	41 720	42 726	43 241	42 478	42 571	42 854	42 596	42 351	42 805	42 539	43 127	126 250	128 290	127 801	128 471	(X)
1985 ---	42 980	43 364	43 784	43 043	43 733	43 393	43 022	42 689	42 349	42 395	43 610	43 734	130 128	130 169	128 060	129 739	(X)
1986 ---	43 865	42 473	41 231	41 127	41 685	41 585	41 061	41 725	41 983	41 750	42 225	42 580	127 569	124 397	124 769	126 555	(X)
1987 ---	42 252	43 269	43 186	43 503	43 787	44 364	45 265	44 630	45 432	45 020	45 293	45 365	128 707	131 654	135 327	135 678	(X)
1988 ---	45 592	45 397	46 085	46 254	46 556	47 198	47 454	47 839	47 737	47 717	48 277	48 694	137 074	140 008	143 030	144 688	(X)
1989 ---	49 663	49 786	50 518	51 376	51 615	51 608	51 010	51 818	51 846	52 359	52 407	53 293	149 967	154 599	154 674	158 059	(X)
1990 ---	53 349	53 521	54 376	54 239	54 612	54 287	54 803	57 571	58 082	59 564	59 310	56 664	161 246	163 138	170 456	175 538	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.7	.7	-2.6	2.0	.4	.3	-.7	-1.1	2.1	-1.3	-.2	-1.4	2.7	.7	-.4	-.9	(X)
1983 ---	2	-.2	1.4	-.3	1.0	1.0	-.5	1.9	-.3	-.9	.8	.6	-.5	1.7	1.6	.2	(X)
1984 ---	.1	-.2	2.4	1.2	-1.8	.2	.7	-.6	-.6	1.1	-.6	1.4	1.5	1.6	-.4	.5	(X)
1985 ---	-.3	.9	1.0	-1.7	1.6	-.8	-.9	-.8	-.8	.1	2.9	.3	1.3	-	-1.6	1.3	(X)
1986 ---	-.3	-3.2	-2.9	-.3	1.4	-.2	-1.3	1.6	.6	-.6	1.1	.8	-1.7	-2.5	.3	1.4	(X)
1987 ---	-.8	2.4	-.2	.7	.7	1.3	2.0	-1.4	1.8	-.9	.6	.2	1.7	2.3	2.8	.3	(X)
1988 ---	.5	-.4	1.5	.4	.7	1.4	.5	.8	-.2	-	1.2	.9	1.0	2.1	2.2	1.2	(X)
1989 ---	2.0	.2	1.5	1.7	.5	-	-1.2	1.6	.1	1.0	.1	1.7	3.6	3.1	-	2.2	(X)
1990 ---	.1	.3	1.6	-.3	.7	-.6	1.0	.5	.9	2.6	-.4	-4.5	2.0	1.2	4.5	3.0	(X)
MACHINERY AND EQUIPMENT—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	23 942	25 332	27 679	25 566	22 712	25 369	21 272	20 176	24 274	23 850	21 902	23 334	76 953	73 647	65 722	69 086	285 408
1983 ---	21 795	21 279	25 105	24 466	24 066	28 288	21 909	23 725	28 428	29 053	27 098	28 710	68 179	76 820	74 062	84 861	303 922
1984 ---	27 108	29 934	32 477	29 238	32 037	33 118	27 276	27 472	29 982	30 387	29 964	30 610	89 519	94 393	84 730	90 961	359 603
1985 ---	26 578	32 440	34 441	29 900	30 309	34 433	26 408	28 328	34 556	32 256	29 407	35 897	93 459	94 642	89 292	97 560	374 953
1986 ---	28 115	31 833	33 236	30 357	30 111	33 919	26 434	27 513	32 775	31 965	30 234	34 613	93 184	94 387	86 722	96 812	371 105
1987 ---	28 461	32 443	34 120	32 019	34 374	37 448	30 997	30 081	34 856	33 771	33 733	38 688	95 024	103 841	95 934	106 192	400 991
1988 ---	32 980	37 113	39 146	36 484	34 948	41 127	34 469	37 673	40 512	37 378	39 010	46 446	109 239	112 559	112 654	122 834	457 286
1989 ---	39 021	41 796	44 144	43 299	40 925	47 760	37 660	37 656	44 721	38 648	40 660	49 848	124 961	131 984	120 037	129 156	506 138
1990 ---	35 654	38 456	47 517	39 089	39 918	45 003	37 918	36 937	44 397	45 620	37 195	47 754	121 627	124 010	119 252	130 569	495 458
Seasonally Adjusted—Millions of Dollars																	
1982 ---	25 884	25 248	25 552	25 109	22 655	23 191	24 077	22 098	23 371	23 742	22 103	22 117	76 684	70 955	69 546	67 962	(X)
1983 ---	24 150	21 344	22 961	24 166	23 791	25 860	24 916	25 733	27 358	28 890	27 242	27 522	68 455	73 817	78 007	83 654	(X)
1984 ---	29 883	29 896	29 921	28 879	31 674	30 232	30 965	29 847	28 578	30 370	30 099	28 761	89 700	90 785	89 390	89 230	(X)
1985 ---	29 876	32 374	31 555	29 678	29 973	31 348	30 226	30 853	32 890	32 345	29 618	33 813	93 805	90 999	93 969	95 776	(X)
1986 ---	31 746	31 704	30 382	30 218	29 854	30 718	30 236	29 903	30 942	32 125	30 530	32 578	93 832	90 790	91 081	95 233	(X)
1987 ---	32 109	32 306	31 202	31 981	34 119	34 136	34 982	32 380	32 782	33 964	34 136	36 243	95 617	100 236	100 144	104 343	(X)
1988 ---	37 108	37 150	35 866	36 434	34 811	37 377	38 849	40 238	38 196	37 628	39 655	43 657	110 124	108 622	117 283	120 940	(X)
1989 ---	43 553	41 926	40 574	43 164	40 868	43 593	41 907	40 373	42 204	39 038	41 617	46 738	126 053	127 625	124 484	127 393	(X)
1990 ---	40 483	38 891	43 787	39 017	39 603	40 587	42 542	39 580	41 828	46 170	38 327	44 161	123 161	119 207	123 950	128 658	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	14.7	-2.5	1.2	-1.7	-9.8	2.4	3.8	-8.2	5.8	1.6	-6.9	.1	5.0	-7.5	-2.0	-2.3	(X)
1983 ---	9.2	-11.6	7.6	5.2	-1.6	8.7	-3.7	3.3	6.3	5.6	-5.7	1.0	.7	7.8	5.7	7.2	(X)
1984 ---	8.6	-	1	-3.5	9.7	-4.6	2.4	-3.6	-4.3	6.3	-.9	-4.4	7.2	1.2	-1.5	-.2	(X)
1985 ---	3.9	8.4	-2.5	-5.9	1.0	4.6	-3.6	2.1	6.6	-1.7	-8.4	14.2	5.1	-3.0	3.3	1.9	(X)
1986 ---	-6.1	-1	-4.2	-.5	-1.2	2.9	-1.6	-1.1	3.5	3.8	-5.0	6.7	-2.0	-3.2	.3	4.6	(X)
1987 ---	-1.4	.6	-3.4	2.5	.6	-.7	-.2	-7.4	1.2	3.6	.5	6.2	.4	4.8	-.1	4.2	(X)
1988 ---	2.4	.1	-3.5	1.6	-4.5	7.4	3.9	3.6	-5.1	-1.5	5.4	10.1	5.5	-1.4	8.0	3.1	(X)
1989 ---	-.2	-3.7	-3.2	6.4	-5.3	6.7	-3.9	-3.7	4.5	-7.5	6.6	12.3	4.2	1.2	-2.5	2.3	(X)
1990 ---	-13.4	-3.9	12.6	-10.9	1.5	2.5	4.8	-7.0	5.7	10.4	-17.0	15.2	-3.3	-3.2	4.0	3.8	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
BUSINESS SUPPLIES—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	13 328	13 584	13 728	13 339	13 700	13 745	12 614	13 283	13 924	13 438	13 235	13 136	40 640	40 784	39 821	39 809	161 054
1983 ---	12 864	13 039	13 582	13 416	13 903	14 337	13 162	14 157	14 741	14 685	14 435	14 579	39 485	41 656	42 060	43 699	166 900
1984 ---	14 067	14 878	15 036	15 107	15 349	15 710	14 453	15 263	15 777	15 669	15 185	15 316	43 981	46 166	45 493	46 170	181 810
1985 ---	14 883	15 241	16 083	15 739	16 034	15 802	14 494	15 265	16 134	15 852	15 760	15 863	46 207	47 575	45 893	47 475	187 150
1986 ---	15 305	15 365	15 292	15 195	15 025	15 300	13 680	15 010	15 972	15 742	15 272	15 437	45 962	45 520	44 662	46 451	182 595
1987 ---	14 932	15 931	16 439	16 213	16 212	16 979	15 880	16 585	17 366	17 547	17 034	16 890	47 302	49 404	49 831	51 471	198 008
1988 ---	16 432	16 924	17 690	17 702	17 307	17 881	16 834	17 795	18 543	18 549	18 150	17 773	51 046	52 890	53 172	54 472	211 580
1989 ---	17 098	18 078	18 404	18 863	18 314	18 876	17 192	18 423	19 298	19 355	18 873	17 873	53 580	56 053	54 913	56 101	220 647
1990 ---	18 076	18 774	19 860	19 910	19 172	19 863	18 311	20 561	21 586	21 681	20 880	19 337	56 710	58 945	60 458	61 898	238 011
Seasonally Adjusted—Millions of Dollars																	
1982 ---	13 690	13 622	13 538	13 292	13 477	13 394	13 375	13 361	13 489	13 136	13 314	13 197	40 850	40 163	40 225	39 647	(X)
1983 ---	13 294	13 064	13 429	13 434	13 713	14 019	13 938	14 214	14 294	14 393	14 566	14 639	39 787	41 166	42 446	43 598	(X)
1984 ---	14 584	14 900	14 835	15 085	15 121	15 392	15 404	15 365	15 253	15 304	15 275	15 322	44 319	45 598	46 022	45 901	(X)
1985 ---	15 428	15 289	15 814	15 602	15 915	15 508	15 401	15 335	15 368	15 735	15 826	15 826	46 531	47 025	46 282	46 947	(X)
1986 ---	15 924	15 435	15 038	15 085	15 045	15 032	14 608	15 093	15 334	15 160	15 195	15 458	46 397	45 162	45 035	45 813	(X)
1987 ---	15 579	16 038	16 118	16 081	16 301	16 705	16 927	16 641	16 701	16 931	16 962	17 016	47 735	49 087	50 269	50 909	(X)
1988 ---	17 178	17 048	17 278	17 445	17 459	17 574	17 986	17 848	17 848	17 891	18 004	18 025	51 504	52 478	53 682	53 920	(X)
1989 ---	17 937	18 221	17 969	18 565	18 488	18 605	18 354	18 470	18 523	18 654	18 648	18 142	54 127	55 658	55 347	55 444	(X)
1990 ---	19 028	18 954	19 384	19 609	19 409	19 601	19 545	20 602	20 717	20 891	20 618	19 656	57 366	58 619	60 864	61 165	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.6	-5	-6	-1.8	1.4	-6	-1	-1	1.0	-2.6	1.4	-9	1.5	-1.7	2	-1.4	(X)
1983 ---	7	-1.7	2.8	-	2.1	2.2	-6	2.0	.6	.7	1.2	5	4	3.5	3.1	2.7	(X)
1984 ---	-4	2.2	-4	1.7	.2	1.8	.1	-3	-.7	.3	-2	3	1.7	2.9	9	-3	(X)
1985 ---	.7	-9	3.4	-1.3	2.0	-2.6	-.7	-.4	1.4	-1.1	2.5	5	1.4	1.1	-1.6	1.4	(X)
1986 ---	6	-3.1	-2.6	3	-3	-1	-2.8	3.3	1.6	-1.1	.2	1.7	-1.2	-2.7	-3	1.7	(X)
1987 ---	8	2.9	5	-2	1.4	2.5	1.3	-1.7	4	1.4	.2	3	4.2	2.8	2.4	1.3	(X)
1988 ---	1.0	-8	1.3	1.0	1	.7	2.3	-.8	-.2	.6	1	1.2	1.9	2.3	4	2	(X)
1989 ---	-5	1.6	-1.4	3.3	-.4	6	-1.3	6	.3	7	-.2	7	4	2.8	-6	2	(X)
1990 ---	4.9	-4	2.3	1.2	-1.0	1.0	-.3	5.4	6	8	-1.3	-4.7	3.5	2.2	3.8	5	(X)
CONSTRUCTION MATERIALS AND SUPPLIES—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	8 213	9 109	10 181	9 477	9 986	10 128	9 509	9 819	9 996	9 675	8 742	7 770	27 503	29 591	29 324	26 187	112 605
1983 ---	8 861	9 593	10 587	10 254	10 682	11 713	10 421	11 451	11 809	11 780	11 084	10 205	29 041	32 649	33 681	33 069	128 440
1984 ---	10 228	11 680	12 109	11 852	11 814	12 570	11 464	12 605	12 249	12 386	11 766	10 946	34 017	36 236	36 318	35 098	141 669
1985 ---	10 489	11 578	12 260	12 408	12 599	13 376	12 300	13 072	13 466	13 172	11 753	10 847	34 327	38 383	38 668	35 772	147 150
1986 ---	11 279	12 520	12 814	13 401	13 208	14 068	12 589	13 169	13 885	13 578	12 478	11 738	36 613	40 677	39 643	37 794	154 727
1987 ---	11 306	13 332	13 785	13 699	13 629	14 391	13 572	14 162	14 926	15 144	14 198	13 252	38 423	41 719	42 660	42 594	165 396
1988 ---	12 546	13 927	15 212	14 902	14 846	15 895	13 922	14 913	15 422	15 407	14 332	13 896	41 685	45 643	44 257	43 635	175 220
1989 ---	13 655	14 261	14 889	14 930	14 934	15 602	12 988	15 565	15 111	15 271	14 024	13 301	42 805	45 466	43 664	42 596	174 531
1990 ---	12 774	13 972	14 938	14 662	14 841	15 704	13 908	14 871	15 070	14 561	12 842	12 144	41 684	45 207	43 849	39 547	170 287
Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 287	9 295	9 749	9 372	9 752	9 365	9 788	9 411	9 422	9 233	8 987	8 804	28 331	28 489	28 621	27 024	(X)
1983 ---	10 075	9 830	10 230	10 111	10 403	10 805	10 674	10 985	11 113	11 268	11 416	11 515	30 135	31 319	32 772	34 199	(X)
1984 ---	11 596	12 037	11 728	11 665	11 532	11 569	11 741	12 125	11 507	11 824	12 131	12 323	35 361	34 766	35 373	36 278	(X)
1985 ---	11 821	11 880	11 909	12 171	12 313	12 319	12 458	12 581	12 653	12 540	12 064	12 059	35 710	36 803	37 692	36 663	(X)
1986 ---	12 843	12 881	12 473	13 099	12 948	12 987	12 967	12 699	13 036	12 878	12 803	12 915	38 197	39 034	38 702	38 596	(X)
1987 ---	12 886	13 799	13 420	13 377	13 374	13 330	14 034	13 763	14 071	14 364	14 575	14 545	40 105	40 081	41 868	43 484	(X)
1988 ---	14 161	14 325	14 793	14 573	14 576	14 742	14 523	14 466	14 564	14 627	14 670	15 239	43 279	43 891	43 553	44 536	(X)
1989 ---	15 436	14 664	14 444	14 593	14 643	14 452	13 608	15 108	14 281	14 465	14 375	14 547	44 544	43 688	42 997	43 387	(X)
1990 ---	14 442	14 471	14 490	14 329	14 545	14 530	14 546	14 374	14 267	13 813	13 140	13 204	43 403	43 404	43 187	40 157	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-3	1	4.9	-3.9	4.1	-4.0	4.5	-3.9	1	-2.0	-2.7	-2.0	-.4	6	5	-5.6	(X)
1983 ---	14.4	-2.4	4.1	-1.2	2.9	3.9	-1.2	2.9	1.2	1.4	1.3	9	11.5	3.9	4.6	4.4	(X)
1984 ---	.7	3.8	-2.6	-.5	-1.1	3	1.5	3.3	-5.1	2.8	2.6	1.6	3.4	-1.7	1.7	2.6	(X)
1985 ---	-3.3	-3	2	2.2	1.2	-.1	1.1	1.0	.6	-.9	-3.8	-.1	-1.6	3.1	2.4	-2.7	(X)
1986 ---	6.5	3	-3.2	5.0	-1.2	.3	-.2	-2.1	2.7	-1.2	-.6	-.9	4.2	2.2	-.9	-.3	(X)
1987 ---	-.2	7.1	-2.7	-.3	-.1	-.3	5.3	-1.9	2.2	2.1	1.5	-.2	3.9	-.1	4.5	3.9	(X)
1988 ---	-2.6	1.2	3.3	-1.5	-.1	1.1	-1.5	-.4	-.7	4	.3	3.9	-.5	1.4	-.8	2.3	(X)
1989 ---	1.3	-5.0	-1.5	1.0	3	-1.3	-5.8	11.0	-5.5	1.3	-.6	1.2	-.1	-1.9	-1.6	9	(X)
1990 ---	7	2	.1	-1.1	1.5	-.1	1	-1.2	-.7	-3.2	-4.9	5	-.1	-.1	-.5	-7.0	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
DEFENSE PRODUCTS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	6 902	7 223	7 589	6 421	4 717	5 585	4 091	4 867	5 919	7 478	5 857	12 903	21 714	16 723	14 877	26 238	79 552
1983 ---	9 847	6 320	7 851	7 676	5 140	7 122	5 669	4 394	7 907	8 623	9 359	11 377	24 018	19 938	17 970	29 359	91 285
1984 ---	6 963	8 471	14 318	5 748	5 611	6 056	5 606	6 576	9 310	7 575	10 971	12 217	29 752	17 415	21 492	30 763	99 422
1985 ---	11 431	6 567	9 209	7 251	7 444	9 988	7 482	8 477	9 787	8 419	7 959	12 515	27 207	24 683	25 746	28 893	106 529
1986 ---	10 558	8 933	13 388	7 418	6 639	6 779	7 849	6 037	10 733	7 244	10 664	12 399	32 879	20 836	24 619	30 307	108 641
1987 ---	6 880	7 327	10 983	9 801	7 866	8 921	7 934	7 478	10 235	9 315	10 696	11 488	25 190	26 588	25 647	31 499	108 924
1988 ---	7 774	8 845	9 338	5 822	7 766	8 059	5 728	5 402	9 393	10 001	9 328	15 793	25 957	21 667	20 523	35 122	103 269
1989 ---	7 381	8 220	11 703	7 533	5 764	7 733	6 678	5 990	11 883	8 916	13 699	13 030	27 304	21 030	24 551	35 645	108 530
1990 ---	6 697	8 033	9 880	6 879	8 065	7 529	5 801	6 358	9 560	7 436	7 338	10 527	24 610	22 473	21 719	25 301	94 103
Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 761	6 751	7 114	6 581	5 349	6 031	5 379	6 076	5 660	6 665	6 089	10 935	20 626	17 961	17 115	23 689	(X)
1983 ---	9 610	5 735	7 160	7 886	6 112	7 739	7 225	5 675	7 763	7 992	9 589	8 422	22 505	21 739	20 663	26 003	(X)
1984 ---	6 789	7 918	13 104	6 212	7 078	6 906	7 461	7 868	9 030	7 054	11 095	8 617	27 811	20 196	24 359	26 766	(X)
1985 ---	11 292	6 154	7 788	7 957	9 108	10 936	9 603	9 957	9 089	8 065	7 556	8 501	25 234	28 001	28 649	24 122	(X)
1986 ---	10 521	8 675	11 696	8 511	8 661	7 785	10 020	7 599	9 714	6 910	9 700	8 164	30 892	24 957	27 333	24 774	(X)
1987 ---	7 383	7 102	9 539	11 024	9 772	9 775	10 008	9 294	8 831	9 215	8 963	7 576	24 024	30 571	28 133	25 754	(X)
1988 ---	8 636	8 514	8 242	7 186	9 470	8 783	7 685	7 365	7 792	10 021	7 268	11 860	25 392	25 439	22 842	29 149	(X)
1989 ---	6 609	7 998	10 656	8 908	7 344	8 223	8 708	8 142	10 069	8 966	11 392	9 004	27 263	24 475	26 919	29 362	(X)
1990 ---	7 956	7 885	8 885	8 428	9 608	7 927	7 946	8 570	7 665	7 400	5 063	6 894	24 726	25 963	24 181	19 357	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	34.8	-1	5.4	-7.5	-18.7	12.8	-10.8	13.0	-6.8	17.8	-8.6	79.6	35.1	-12.9	-4.7	38.4	(X)
1983 ---	-12.1	-40.3	24.8	10.2	-22.5	26.6	-6.6	-21.5	36.8	2.9	20.0	-12.2	-5.0	-3.4	-4.9	25.8	(X)
1984 ---	-19.4	16.6	65.5	-52.6	13.9	-2.4	8.0	5.5	14.8	-21.9	57.3	-22.3	7.0	-27.4	20.6	9.9	(X)
1985 ---	31.0	-45.5	26.6	2.2	14.5	20.1	-12.2	3.7	-8.7	-11.3	-6.3	12.5	-5.7	11.0	2.3	-15.8	(X)
1986 ---	23.8	-17.5	34.8	-27.2	1.8	-10.1	28.7	-24.2	27.8	-28.9	40.4	-15.8	28.1	-19.2	9.5	-9.4	(X)
1987 ---	-9.6	-3.8	34.3	15.6	-11.4	-	2.4	-7.1	-5.0	4.3	-2.7	-15.5	-3.0	27.3	-8.0	-8.5	(X)
1988 ---	14.0	-1.4	-3.2	-12.8	31.8	-7.3	-12.5	-4.2	5.8	26.6	-27.5	63.2	-1.4	2	-10.2	27.6	(X)
1989 ---	-27.4	-7.1	33.2	-16.4	-17.6	12.0	5.9	-6.5	23.7	-11.0	27.1	-21.0	-6.5	-10.2	10.0	9.1	(X)
1990 ---	-11.6	-9	12.7	-5.1	14.0	-17.5	2	7.9	-10.6	-3.5	-31.6	36.2	-15.8	5.0	-6.9	-19.9	(X)
OTHER MATERIALS, SUPPLIES, AND INTERMEDIATE PRODUCTS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	52 033	55 476	57 739	54 538	54 090	55 164	48 119	50 377	53 626	50 600	48 752	48 885	165 248	163 792	152 122	148 237	629 399
1983 ---	51 364	55 874	58 289	56 039	57 225	61 643	54 650	59 269	62 317	63 836	61 169	61 068	165 527	174 907	176 236	186 073	702 743
1984 ---	64 141	68 087	70 716	67 591	65 430	66 721	60 768	63 301	64 243	63 132	61 764	60 742	202 944	199 742	188 312	185 638	776 636
1985 ---	61 561	66 148	67 319	64 388	63 836	66 921	58 719	62 822	64 331	64 512	61 878	61 273	195 028	195 145	185 872	187 663	763 708
1986 ---	62 387	67 477	66 353	64 284	61 941	65 403	57 054	60 631	66 066	64 431	61 637	63 534	196 217	191 628	183 751	189 602	761 198
1987 ---	61 099	69 547	73 291	69 952	68 619	73 541	65 919	68 573	73 563	73 514	70 512	70 442	203 937	212 112	208 055	214 468	838 572
1988 ---	70 806	76 341	79 701	77 905	77 627	81 872	72 139	77 411	82 022	81 120	77 175	78 232	226 848	237 404	231 572	236 527	932 351
1989 ---	79 550	84 319	85 983	84 141	81 570	85 560	74 439	79 242	83 466	81 184	79 359	76 476	249 852	251 271	237 147	237 019	975 289
1990 ---	75 411	82 538	88 215	83 944	84 557	85 675	74 800	83 300	85 624	84 914	78 182	73 495	246 164	254 176	243 724	236 591	980 655
Seasonally Adjusted—Millions of Dollars																	
1982 ---	53 282	53 403	53 635	53 348	53 540	52 600	52 555	51 412	52 605	50 305	50 683	51 245	160 320	159 488	156 572	152 233	(X)
1983 ---	53 007	53 929	54 257	54 853	56 662	58 882	59 152	60 418	61 313	63 675	63 736	64 122	161 193	170 397	180 883	191 533	(X)
1984 ---	66 004	65 530	65 721	66 074	65 042	63 615	65 752	64 868	63 197	62 871	64 237	63 715	197 255	194 731	193 817	190 823	(X)
1985 ---	63 718	63 518	62 415	62 787	63 494	63 827	63 698	64 474	63 121	64 032	64 080	64 031	189 651	190 108	191 293	192 143	(X)
1986 ---	64 836	64 683	61 633	62 749	61 853	62 230	62 055	62 393	64 645	63 746	63 660	66 425	191 152	186 832	189 093	193 831	(X)
1987 ---	63 695	66 761	68 334	68 289	68 461	70 256	71 470	70 551	71 914	72 811	72 774	73 671	198 790	207 006	213 935	219 256	(X)
1988 ---	73 619	73 283	74 281	76 093	77 264	78 017	78 682	79 707	79 955	80 241	79 463	82 056	221 183	231 374	238 344	241 760	(X)
1989 ---	82 933	81 116	80 237	82 251	80 865	81 440	81 492	81 478	81 014	79 974	81 599	80 368	244 286	244 556	243 984	241 941	(X)
1990 ---	78 964	79 706	82 333	82 086	83 569	81 482	82 398	85 556	83 127	83 624	80 380	77 001	241 003	247 137	251 081	241 005	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-9	2	4	-5	4	-1.8	-1	-2.2	2.3	-4.4	.8	1.1	-1.7	-5	-1.8	-2.8	(X)
1983 ---	3.4	1.7	6	1.1	3.3	3.9	5	2.1	1.5	3.9	.1	.6	5.9	5.7	6.2	5.9	(X)
1984 ---	2.9	-7	3	5	-1.6	-2.2	3.4	-1.3	-2.6	-5	2.2	-8	3.0	-1.3	-5	-1.5	(X)
1985 ---	-	-3	-1.7	6	1.1	5	-2	1.2	-2.1	1.4	1	-1	-6	2	6	4	(X)
1986 ---	1.3	-2	-4.7	1.8	-1.4	6	-3	5	3.6	-1.4	-1	4.3	-5	-2.3	1.2	2.5	(X)
1987 ---	-4.1	4.8	2.4	-1	3	2.6	1.7	-1.3	1.9	1.2	-1	1.2	2.6	4.1	3.3	2.5	(X)
1988 ---	-1	-5	1.4	2.4	1.5	10	9	1.3	3	4	-1.0	3.3	.9	4.6	3.0	1.4	(X)
1989 ---	1.1	-2.2	-1.1	2.5	-1.7	7	1	-	-6	-1.3	2.0	-1.5	1.0	1	-2	-8	(X)
1990 ---	-1.7	.9	3.3	-3	1.8	-2.5	1.1	3.8	-2.8	6	-3.9	-4.2	-4	2.5	1.6	-4.0	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
NONDEFENSE CAPITAL GOODS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	19 842	21 068	23 032	20 851	17 373	19 597	16 920	15 733	19 044	19 191	17 617	20 287	63 942	57 821	51 697	57 095	230 555
1983 ---	17 186	16 086	19 555	18 875	18 429	21 984	16 654	18 254	22 568	22 468	20 345	23 085	52 827	59 288	57 476	65 898	235 489
1984 ---	21 108	23 268	25 790	22 577	24 993	26 085	21 980	21 644	24 414	23 104	23 388	25 671	70 166	73 655	68 038	72 163	284 022
1985 ---	20 010	26 126	27 508	22 221	22 475	27 233	21 005	22 662	27 651	24 961	22 622	30 070	73 644	71 929	71 318	77 653	294 544
1986 ---	20 873	25 137	26 726	22 396	22 432	26 115	20 620	21 269	25 775	23 974	23 835	28 640	72 736	70 943	67 664	76 449	287 792
1987 ---	21 283	24 000	25 828	24 169	26 132	29 475	25 602	23 958	27 709	25 823	26 554	32 620	71 111	79 776	77 269	84 997	313 153
1988 ---	27 105	29 586	30 679	28 362	26 287	33 096	28 562	32 480	33 974	29 188	30 829	38 575	87 370	87 745	95 016	98 592	368 723
1989 ---	31 887	33 096	36 454	34 474	32 276	39 596	34 412	30 345	36 741	30 552	33 848	44 116	101 437	106 346	101 498	108 516	417 797
1990 ---	30 323	31 053	39 427	31 717	31 142	36 417	32 349	29 790	37 379	35 893	29 898	42 992	100 803	99 276	99 518	108 783	408 380
Seasonally Adjusted—Millions of Dollars																	
1982 ---	21 424	20 931	21 244	20 810	17 900	18 001	18 929	17 235	18 161	19 564	17 809	18 125	63 599	56 711	54 325	55 498	(X)
1983 ---	19 159	16 179	17 752	19 090	18 796	20 220	18 725	19 730	21 490	22 855	20 560	20 521	53 090	58 106	59 945	63 936	(X)
1984 ---	23 527	23 411	23 678	22 887	25 402	23 905	24 582	23 333	22 897	23 649	23 565	22 429	70 616	72 194	70 812	69 643	(X)
1985 ---	23 049	26 371	25 043	22 741	22 980	24 773	23 662	24 482	25 835	25 607	22 870	26 725	74 463	70 494	73 979	75 202	(X)
1986 ---	24 195	25 382	24 280	23 061	22 982	23 511	23 050	22 882	23 780	24 742	24 162	25 346	73 857	69 554	69 712	74 250	(X)
1987 ---	24 632	24 317	23 485	24 920	26 726	26 763	28 190	25 548	25 429	26 671	26 943	29 114	72 434	78 409	79 167	82 728	(X)
1988 ---	30 913	30 055	28 000	29 164	27 120	29 943	31 393	34 243	31 391	30 238	31 443	34 575	88 968	86 227	97 027	96 256	(X)
1989 ---	35 979	33 709	33 507	35 294	33 243	35 939	37 251	32 189	33 858	31 664	34 678	40 000	103 195	104 476	103 298	106 342	(X)
1990 ---	34 784	31 949	36 385	32 556	31 890	32 501	35 274	31 607	34 419	37 223	30 884	38 560	103 118	96 947	101 300	106 667	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	15.7	-2.3	1.5	-2.0	-14.0	6	5.2	-8.9	5.4	7.7	-9.0	1.8	4.7	-10.8	-4.2	2.2	(X)
1983 ---	5.7	-15.6	9.7	7.5	-1.5	7.6	-7.4	5.4	8.9	6.4	-10.0	-2	-4.3	9.4	3.2	6.7	(X)
1984 ---	14.6	-5	1.1	-3.3	11.0	-5.9	2.8	-5.1	-1.9	3.3	-4	-4.8	10.4	2.2	-1.9	-1.7	(X)
1985 ---	2.8	14.4	-5.0	-9.2	1.1	7.8	-4.5	3.5	5.5	-9	-10.7	16.9	6.9	-5.3	4.9	1.7	(X)
1986 ---	-9.5	4.9	-4.3	-5.0	-3	2.3	-2.0	-7	3.9	4.0	-2.3	4.9	-1.8	-5.8	2	6.5	(X)
1987 ---	-2.8	-1.3	-3.4	6.1	7.2	1	5.3	-9.4	-5	4.9	1	8.1	-2.4	8.2	1.0	4.5	(X)
1988 ---	6.2	-2.8	-6.8	4.2	-7.0	10.4	4.8	9.1	-8.3	-3.7	4.0	10.0	7.5	-3.1	12.5	-8	(X)
1989 ---	4.1	-6.3	-6	5.3	-5.8	8.1	3.7	-13.6	5.2	-6.5	9.5	15.3	7.2	1.2	-1.1	2.9	(X)
1990 ---	-13.0	-8.2	13.9	-10.5	-2.0	1.9	8.5	-10.4	8.9	8.1	-17.0	24.9	-3.0	-6.0	4.5	5.3	(X)
NONDEFENSE CAPITAL GOODS, EXCLUDING AIRCRAFT—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	17 180	18 627	19 259	17 962	15 550	16 958	14 235	14 001	16 583	16 749	15 355	16 722	55 066	50 470	44 819	48 826	199 181
1983 ---	14 083	15 425	18 492	16 655	16 590	18 882	15 035	16 343	20 568	19 608	18 071	20 526	48 000	52 127	51 946	58 205	210 278
1984 ---	18 089	20 028	22 393	19 572	21 624	22 788	18 852	19 431	21 656	20 582	20 937	22 827	60 510	63 984	59 939	64 346	248 779
1985 ---	17 707	24 086	24 721	19 748	20 422	23 556	18 451	19 535	23 249	21 011	21 494	22 654	66 514	63 726	61 235	65 159	256 634
1986 ---	17 964	21 996	22 185	19 275	18 770	23 644	17 722	19 139	22 455	19 141	19 772	22 426	62 145	61 689	59 316	61 339	244 489
1987 ---	17 786	20 663	21 870	20 362	20 456	24 996	19 865	20 007	24 383	21 724	21 828	24 927	60 319	65 814	64 255	68 479	258 867
1988 ---	21 109	23 120	25 904	22 706	22 741	25 600	21 822	24 619	27 429	23 385	23 891	27 008	70 133	71 047	73 870	74 284	289 334
1989 ---	23 195	25 990	27 996	25 085	25 369	32 177	22 006	24 068	31 419	23 907	25 478	30 169	77 181	82 631	77 493	79 554	316 859
1990 ---	23 591	25 993	28 603	25 179	25 526	29 535	23 925	24 211	29 017	26 411	24 301	28 933	78 187	80 240	77 153	79 645	315 225
Seasonally Adjusted—Millions of Dollars																	
1982 ---	18 176	18 401	17 718	17 917	16 021	15 636	16 042	15 245	15 819	16 904	15 628	15 163	54 295	49 574	47 106	47 695	(X)
1983 ---	15 417	15 415	16 951	16 861	16 904	17 423	16 955	17 548	19 625	19 858	18 353	18 627	47 783	51 188	54 128	56 838	(X)
1984 ---	19 995	20 071	20 483	19 851	21 976	20 878	21 292	20 828	20 307	20 959	21 164	20 436	60 549	62 705	62 427	62 559	(X)
1985 ---	20 179	24 200	22 514	20 241	20 862	21 374	20 894	20 957	21 614	21 437	21 767	20 417	66 893	62 477	63 465	63 621	(X)
1986 ---	20 566	22 094	20 032	19 896	19 248	21 335	19 904	20 352	20 654	19 612	20 080	20 172	62 692	60 479	60 910	59 864	(X)
1987 ---	20 429	20 824	19 858	21 073	20 976	22 605	22 191	21 238	22 343	22 376	22 187	22 612	61 111	64 654	65 772	67 175	(X)
1988 ---	24 029	23 399	23 612	23 458	23 491	22 834	24 298	25 961	25 130	24 146	24 431	24 105	71 040	69 783	75 389	72 682	(X)
1989 ---	26 414	26 387	25 541	25 857	26 232	28 974	24 428	25 348	28 915	24 747	26 220	27 310	78 342	81 063	78 691	78 277	(X)
1990 ---	27 030	26 568	26 079	25 982	26 148	26 215	26 359	25 370	26 483	27 397	25 125	26 333	79 677	78 345	78 212	78 855	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.0	1.2	-3.7	1.1	-10.6	-2.4	2.6	-5.0	3.8	6.9	-7.5	-3.0	-1.4	-8.7	-5.0	1.3	(X)
1983 ---	1.7	-	10.0	-5	3	3.1	-2.7	3.5	11.8	1.2	-7.6	1.5	2	7.1	5.7	5.0	(X)
1984 ---	7.3	4	2.1	-3.1	10.7	-5.0	2.0	-2.2	-2.5	3.2	1.0	-3.4	6.5	3.6	-4	2	(X)
1985 ---	-1.3	19.9	-7.0	-10.1	3.1	2.5	-2.2	3	3.1	-8	1.5	-6.2	6.9	-6.6	1.6	2	(X)
1986 ---	-7	7.4	-9.3	-7	-3.3	10.8	-6.7	2.3	1.5	-5.0	2.4	5	-1.5	-3.5	7	-1.7	(X)
1987 ---	1.3	1.9	-4.6	6.1	-5	7.8	-1.8	-4.3	5.2	1	-8	1.9	2.1	5.8	1.7	2.1	(X)
1988 ---	6.3	-2.6	-9	-7	1	-2.8	6.4	6.8	-3.2	-3.9	1.2	-1.3	5.8	-1.8	8.0	-3.6	(X)
1989 ---	9.6	-1	-3.2	1.2	1.5	10.5	-15.7	3.8	14.1	-14.4	6.0	4.2	7.8	3.5	-2.9	-5	(X)
1990 ---	-1.0	-1.7	-1.8	-4	6	3	5	-3.8	4.4	3.5	-8.3	4.8	1.8	-1.7	-2	8	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	1st	2nd	3rd	4th	
DEFENSE CAPITAL GOODS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	7 449	7 317	7 874	6 546	4 815	5 382	4 029	4 962	6 123	7 532	6 010	13 376	22 640	16 743	15 114	26 918	81 415
1983 ---	10 255	6 554	8 761	7 973	4 963	7 727	6 113	4 646	7 976	9 075	9 765	12 297	25 570	20 663	18 735	31 137	96 105
1984 ---	7 236	8 737	14 854	6 160	5 567	6 575	5 963	6 728	9 341	7 599	11 426	13 318	30 827	18 302	22 032	32 343	103 504
1985 ---	11 611	6 763	9 053	7 427	7 428	10 875	7 651	8 711	9 967	8 585	7 805	13 629	27 427	25 730	26 329	30 019	109 505
1986 ---	10 932	9 458	13 761	7 556	6 808	6 858	8 199	5 980	11 116	7 499	10 994	12 712	34 151	21 222	25 295	31 205	111 873
1987 ---	7 044	7 540	11 828	10 090	7 773	9 397	8 111	7 489	10 379	9 602	10 699	11 661	26 412	27 260	25 979	31 962	111 613
1988 ---	8 004	8 664	9 579	6 582	7 786	8 235	5 651	5 250	9 254	10 160	9 243	15 919	26 247	22 603	20 155	35 322	104 327
1989 ---	7 738	8 184	12 370	7 342	5 383	7 831	6 400	6 000	11 814	9 092	13 736	13 110	28 292	20 556	24 214	35 938	109 000
1990 ---	6 394	7 784	9 909	6 948	8 187	7 426	5 493	6 102	9 570	7 652	7 337	10 615	24 087	22 561	21 165	25 604	93 417
Seasonally Adjusted—Millions of Dollars																	
1982 ---	7 217	6 918	7 391	6 708	5 554	5 797	5 359	6 198	5 941	6 741	6 215	11 208	21 526	18 059	17 498	24 164	(X)
1983 ---	9 957	6 029	8 003	8 193	6 084	8 293	7 724	6 002	7 915	8 472	10 044	9 031	23 989	22 570	21 641	27 547	(X)
1984 ---	7 021	8 240	13 512	6 623	7 235	7 363	7 864	8 147	9 162	7 076	11 658	9 358	28 773	21 221	25 173	28 092	(X)
1985 ---	11 453	6 985	7 443	8 120	9 322	11 741	9 821	10 343	9 385	8 190	7 500	9 280	25 281	29 183	29 549	24 970	(X)
1986 ---	10 907	9 217	11 820	8 634	9 117	7 761	10 444	7 717	10 215	7 093	10 090	8 161	31 944	25 512	28 376	25 344	(X)
1987 ---	7 552	7 339	10 105	11 309	9 979	10 125	10 267	9 483	9 070	9 438	8 978	7 589	24 996	31 413	28 820	26 005	(X)
1988 ---	8 850	8 331	8 239	7 927	9 722	8 845	7 705	7 412	7 722	10 096	7 189	11 887	25 420	26 494	22 839	29 172	(X)
1989 ---	8 912	7 945	11 050	8 702	7 203	8 193	8 552	8 338	10 074	9 053	11 409	8 910	27 907	24 098	26 964	29 372	(X)
1990 ---	7 566	7 613	8 645	8 511	9 953	7 731	7 792	8 499	7 745	7 515	5 044	6 844	23 824	26 195	24 036	19 403	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	45.2	-4.1	6.8	-9.2	-17.2	4.4	-7.6	15.7	-4.1	13.5	-7.8	80.3	42.7	-16.1	-3.1	38.1	(X)
1983 ---	-11.2	-39.4	32.7	2.4	-25.7	36.3	-6.9	-22.3	31.9	7.0	18.6	-10.1	-7	-5.9	-4.1	27.3	(X)
1984 ---	-22.3	17.4	64.0	-51.0	9.2	1.8	6.8	3.6	12.5	-22.8	64.8	-19.7	4.5	-26.2	18.6	11.6	(X)
1985 ---	-22.4	-44.3	16.6	9.1	14.8	25.9	-16.4	5.3	-9.3	-12.7	-8.4	23.7	-10.0	15.4	1.3	-15.5	(X)
1986 ---	17.5	-15.5	28.2	-27.0	5.6	-14.9	34.6	-26.1	32.4	-30.6	42.3	-19.1	27.9	-20.1	11.2	-10.7	(X)
1987 ---	-7.5	-2.8	37.7	11.9	-11.8	1.5	1.4	-7.6	-4.4	4.1	-4.9	-15.5	-1.4	25.7	-8.3	-9.8	(X)
1988 ---	16.6	-5.9	-1.1	-3.8	22.6	-9.0	-12.9	-3.8	4.2	30.7	-28.8	65.3	-2.2	4.2	-13.8	27.7	(X)
1989 ---	-25.0	-10.9	39.1	-21.2	-17.2	13.7	4.4	-2.5	20.8	-10.1	26.0	-21.9	-4.3	-13.6	11.9	8.9	(X)
1990 ---	-15.1	.6	13.6	-1.6	16.9	-22.3	.8	9.1	-8.9	-3.0	-32.9	35.7	-18.9	10.0	-8.2	-19.3	(X)
DURABLE GOODS, EXCLUDING CAPITAL GOODS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	49 071	53 748	58 040	54 588	55 595	56 982	48 768	49 851	54 116	51 196	47 853	44 986	160 859	167 165	152 735	144 035	624 794
1983 ---	51 557	57 573	59 320	57 917	60 170	64 334	56 115	61 270	64 325	67 422	64 599	61 481	168 450	182 421	181 710	193 502	726 083
1984 ---	66 810	72 537	74 151	70 891	69 840	70 323	62 324	66 879	66 054	68 565	65 367	60 677	213 498	211 054	195 257	194 629	814 438
1985 ---	66 874	70 618	72 847	69 743	70 508	72 280	61 559	67 317	70 992	71 549	67 522	62 410	210 339	212 531	199 868	201 481	824 219
1986 ---	69 295	73 568	73 163	72 550	70 048	74 488	62 301	67 035	73 395	73 710	67 420	67 123	216 026	217 086	202 731	208 253	844 096
1987 ---	66 868	77 633	86 588	76 067	75 041	79 303	67 494	72 666	79 218	80 896	76 492	72 180	225 089	231 311	218 978	229 568	904 946
1988 ---	73 738	82 293	95 969	82 907	83 910	87 158	72 202	78 646	85 902	87 769	82 795	80 989	242 000	253 975	236 750	251 553	984 278
1989 ---	83 131	89 378	99 484	89 479	86 452	88 205	69 746	83 379	88 726	87 450	83 847	77 732	261 993	264 136	241 851	249 029	1 017 009
1990 ---	74 695	86 335	92 627	87 356	90 813	91 815	75 213	85 350	87 579	89 824	78 661	69 436	253 657	269 984	248 142	237 921	1 009 704
Seasonally Adjusted—Millions of Dollars																	
1982 ---	51 041	51 734	53 635	52 839	54 126	53 558	54 143	51 398	52 953	49 704	49 688	49 902	156 410	160 523	158 494	149 294	(X)
1983 ---	53 818	55 522	54 943	56 077	58 326	60 509	61 752	62 902	63 312	65 933	66 760	68 209	164 283	174 912	187 966	200 902	(X)
1984 ---	69 309	69 556	68 527	68 393	67 890	66 187	68 982	69 092	65 133	66 972	67 250	67 470	207 392	202 470	203 207	201 692	(X)
1985 ---	69 946	67 160	66 990	67 394	68 548	68 160	66 667	69 828	69 656	69 524	69 062	68 633	204 096	204 102	208 151	207 219	(X)
1986 ---	72 589	70 041	67 767	70 207	68 272	70 327	70 042	69 684	71 573	71 270	68 862	73 486	210 397	208 806	211 299	213 618	(X)
1987 ---	70 185	74 048	74 766	73 583	74 153	75 186	75 725	75 090	77 192	78 168	78 154	78 168	218 999	222 922	228 007	234 490	(X)
1988 ---	77 379	78 613	79 753	80 178	81 925	82 531	81 914	82 105	83 372	84 429	84 151	87 910	235 745	244 634	247 391	256 490	(X)
1989 ---	87 691	85 407	82 947	86 560	84 080	83 476	79 532	87 029	85 923	83 933	85 475	84 271	256 045	254 116	252 484	253 679	(X)
1990 ---	79 069	82 906	86 000	84 536	88 093	86 825	86 321	88 914	84 729	86 137	80 265	74 817	247 975	259 454	259 964	241 219	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-2.7	1.4	3.7	-1.5	2.4	-1.0	1.1	-5.1	3.0	-6.1	-	4	-2.0	2.6	-1.3	-5.8	(X)
1983 ---	7.8	3.2	-1.0	2.1	4.0	3.7	2.1	1.9	7	4.1	13	2.2	10.0	6.5	7.5	6.9	(X)
1984 ---	1.6	4	-1.5	-2	-7	-2.5	4.2	2	-5.7	2.8	-4	3	3.2	-2.4	4	-7	(X)
1985 ---	3.7	-4.0	-3	6	1.7	-6	7	1.7	-2	-2	-7	-6	1.2	-	2.0	-4	(X)
1986 ---	5.8	-3.5	-3.2	3.6	-2.8	3.0	-4	-5	2.7	-4	-3.4	6.7	1.5	-8	1.2	1.1	(X)
1987 ---	-4.5	5.5	1.0	-1.6	8	1.4	7	-8	2.8	1.3	-	-	2.5	1.8	2.3	2.8	(X)
1988 ---	-1.0	1.6	1.5	5	2.2	7	-7	2	1.5	1.3	-3	4.5	5	3.8	1.1	3.7	(X)
1989 ---	-2	-2.6	-2.9	4.4	-2.9	-7	-4.7	9.4	-1.3	-2.3	1.8	-1.4	-2	-8	-6	5	(X)
1990 ---	-6.2	4.9	3.7	-1.7	4.2	-1.4	-6	3.0	-4.7	1.7	-6.8	-6.8	-2.2	4.6	2	-7.2	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept	Oct	Nov	Dec.	1st	2nd	3rd	4th	
PRODUCERS' DURABLE EQUIPMENT—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	46 245	48 606	54 395	49 541	47 255	50 426	42 665	41 450	48 580	46 523	42 613	43 306	149 246	147 222	132 695	132 442	561 605
1983 ---	44 007	45 997	52 049	49 961	50 483	56 874	45 797	50 289	57 345	59 257	55 934	56 201	142 053	157 318	153 431	171 392	624 194
1984 ---	57 724	62 705	66 150	60 653	63 108	65 459	54 909	57 632	60 047	61 933	60 681	59 830	186 579	189 220	172 588	182 444	730 831
1985 ---	57 399	66 360	69 118	61 482	62 390	67 766	53 933	59 225	67 940	65 079	61 550	64 878	192 877	191 638	181 098	191 507	757 120
1986 ---	59 967	65 911	66 848	63 067	62 459	68 807	54 459	58 057	66 899	66 238	61 361	65 034	192 726	194 333	179 415	192 633	759 107
1987 ---	59 689	69 095	71 335	65 871	68 524	73 188	58 801	61 714	70 303	69 081	67 591	69 003	200 119	207 583	190 818	205 675	804 195
1988 ---	64 458	74 431	77 577	72 651	71 895	79 538	64 973	71 000	78 453	76 739	76 813	82 660	216 466	224 084	214 426	236 212	891 188
1989 ---	76 292	82 395	85 286	82 921	79 675	87 112	65 355	75 740	85 986	78 766	79 369	85 877	243 973	249 708	227 081	244 012	964 774
1990 ---	69 497	78 523	90 533	78 556	82 205	88 249	72 119	76 444	85 557	88 559	73 814	79 225	238 553	249 010	234 120	241 598	963 281
Seasonally Adjusted—Millions of Dollars																	
1982 ---	49 172	47 606	49 861	48 272	46 570	46 772	48 460	44 412	47 098	45 711	43 494	44 058	146 639	141 614	139 970	133 263	(X)
1983 ---	47 212	44 982	47 575	48 970	49 431	52 791	52 011	53 431	55 682	58 364	56 862	57 741	139 769	151 192	161 124	172 967	(X)
1984 ---	61 703	61 004	60 590	59 332	61 951	60 670	62 535	61 492	58 035	61 157	61 325	60 835	183 297	181 953	182 062	183 317	(X)
1985 ---	62 299	64 171	62 875	60 498	61 309	62 724	62 044	63 347	65 400	64 204	62 119	65 430	189 345	184 531	190 791	191 753	(X)
1986 ---	65 130	63 627	61 043	62 203	61 492	63 635	62 918	62 077	63 866	65 268	61 971	65 856	189 800	187 330	188 861	193 095	(X)
1987 ---	64 854	66 693	65 190	65 175	67 535	67 978	67 609	65 733	66 768	67 857	68 327	69 161	196 737	200 688	200 110	205 345	(X)
1988 ---	70 373	72 377	70 973	71 812	70 969	73 714	74 965	75 570	74 313	75 077	77 617	83 144	213 723	216 495	224 848	235 838	(X)
1989 ---	83 095	80 183	78 132	81 763	78 619	80 810	75 346	80 685	81 489	77 118	80 677	86 058	241 410	241 192	237 520	243 853	(X)
1990 ---	76 361	76 798	83 138	77 518	80 633	81 508	83 468	81 223	80 957	86 800	75 457	78 418	236 297	239 659	245 648	240 675	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	9.1	-3.2	4.7	-3.2	-3.5	4	3.6	-8.4	6.0	-2.9	-4.9	1.3	3.5	-3.4	-1.2	-4.8	(X)
1983 ---	7.2	-4.7	5.8	2.9	.9	6.8	-1.5	2.7	4.2	4.8	-2.6	1.5	4.9	8.2	6.6	7.4	(X)
1984 ---	6.9	-1.1	-7	-2.1	4.4	-2.1	3.1	-1.7	-5.6	5.4	3	-8	6.0	-7	1	7	(X)
1985 ---	2.4	3.0	-2.0	-3.8	1.3	2.3	-1.1	2.1	3.2	-1.8	-3.2	5.3	3.3	-2.5	3.4	5	(X)
1986 ---	-5	-2.3	-4.1	1.9	-1.1	3.5	-1.1	-1.3	2.9	2.2	-5.1	6.3	-1.0	-1.3	8	2.2	(X)
1987 ---	-1.5	2.8	-2.3	-	3.6	.7	-5	-2.8	1.6	1.6	.7	1.2	1.9	2.0	-3	2.6	(X)
1988 ---	1.8	2.8	-1.9	1.2	-1.2	3.9	1.7	8	-1.7	1.0	3.4	7.1	4.1	1.3	3.9	4.9	(X)
1989 ---	-1	-3.5	-2.6	4.6	-3.8	2.8	-6.8	7.1	1.0	-5.4	4.6	6.7	2.4	-1	-1.5	2.7	(X)
1990 ---	-11.3	6	8.3	-6.8	4.0	1.1	2.4	-2.7	-3	7.2	-13.1	3.9	-3.1	1.4	2.5	-2.0	(X)
HOUSEHOLD DURABLE GOODS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	4 229	4 870	5 616	4 741	4 902	4 914	4 310	4 766	5 003	4 649	4 281	3 774	14 715	14 557	14 079	12 704	56 055
1983 ---	4 360	4 976	5 359	5 094	5 499	5 371	4 909	5 601	5 198	5 068	4 836	4 653	14 695	15 964	15 708	14 557	60 924
1984 ---	5 344	6 085	6 140	5 755	6 160	5 451	5 279	5 819	5 346	5 124	4 459	4 744	17 569	17 366	16 444	14 327	65 706
1985 ---	6 338	5 867	6 385	5 281	5 578	5 820	4 943	5 467	5 818	5 497	5 179	4 731	18 590	16 679	16 228	15 407	66 904
1986 ---	5 865	5 844	6 594	5 740	5 724	6 298	5 231	6 284	6 810	6 044	5 486	4 829	18 303	17 762	18 325	16 359	70 749
1987 ---	5 584	5 931	6 806	5 483	5 792	6 078	5 236	5 925	6 352	6 102	5 583	4 654	18 321	17 353	17 513	16 339	69 526
1988 ---	5 943	6 585	6 490	6 067	5 857	6 290	5 256	6 241	6 897	6 262	6 059	5 511	19 018	18 214	18 394	17 832	73 458
1989 ---	6 520	6 568	7 285	6 523	6 055	6 506	5 552	6 464	6 897	6 730	6 149	5 644	20 373	19 084	18 913	18 523	76 893
1990 ---	6 143	6 612	7 250	6 221	6 173	6 889	5 669	6 439	7 060	6 550	6 426	5 667	20 005	19 283	19 168	18 643	77 099
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 507	4 527	5 099	4 555	4 814	4 689	4 724	4 535	4 760	4 664	4 780	4 564	14 133	14 058	14 019	14 008	(X)
1983 ---	4 429	4 653	4 811	5 010	5 291	5 138	5 264	5 256	5 045	5 261	5 361	5 544	13 893	15 439	15 565	16 166	(X)
1984 ---	5 491	5 725	5 297	5 533	5 915	5 338	5 687	5 537	5 217	5 335	4 818	5 677	16 513	16 786	16 441	15 830	(X)
1985 ---	6 760	5 347	5 264	5 344	5 488	5 626	5 443	5 340	5 507	5 518	5 510	5 562	17 371	16 458	16 290	16 590	(X)
1986 ---	6 096	5 538	5 729	5 910	5 636	6 052	5 800	6 132	6 306	6 054	5 893	5 690	17 363	17 598	18 238	17 637	(X)
1987 ---	5 643	5 591	5 895	5 617	5 820	5 831	5 809	5 821	5 880	6 103	6 065	5 413	17 129	17 268	17 510	17 581	(X)
1988 ---	6 039	6 264	5 545	6 071	6 019	6 014	5 950	6 194	6 365	6 130	6 324	6 477	17 848	18 104	18 509	18 931	(X)
1989 ---	6 741	6 162	6 340	6 583	6 220	6 190	6 271	6 458	6 423	6 628	6 437	6 502	19 243	18 993	19 152	19 567	(X)
1990 ---	6 218	6 224	6 434	6 263	6 355	6 529	6 414	6 405	6 563	6 388	6 752	6 397	18 876	19 147	19 382	19 537	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.3	4	12.6	-10.7	5.7	-2.6	.7	-4.0	5.0	-2.0	2.5	-4.5	1.3	-5	-3	-1	(X)
1983 ---	-3.0	5.1	3.4	4.1	5.6	-2.9	2.5	-2	-4.0	4.3	1.9	3.4	-8	11.1	8	3.9	(X)
1984 ---	-1.0	4.3	-7.5	4.5	6.9	-9.8	6.5	-2.6	-5.8	2.3	-9.7	17.8	2.1	1.7	-2.1	-3.7	(X)
1985 ---	19.1	-20.9	-1.6	1.5	2.7	2.5	-3.3	-1.9	3.1	2	-1	9	9.7	-5.3	-1.0	1.8	(X)
1986 ---	9.6	-9.2	3.4	3.2	-4.6	7.4	-4.2	5.7	2.8	-4.0	-2.7	-3.4	4.7	1.4	3.6	-3.3	(X)
1987 ---	-8	-9	5.4	-4.7	3.6	2	-4	2	1.0	3.8	-6	-10.8	-2.9	8	1.4	4	(X)
1988 ---	11.6	3.7	-11.5	9.5	-9	-1	-1.1	4.1	2.8	-3.7	3.2	2.4	1.5	1.4	2.2	2.3	(X)
1989 ---	4.1	-8.6	2.9	3.8	-5.5	-5	1.3	3.0	-5	3.2	-2.9	1.0	1.6	-1.3	8	2.2	(X)
1990 ---	-4.4	.1	3.4	-2.7	1.5	2.7	-1.8	-1	2.5	-2.7	5.7	-5.3	-3.5	1.4	1.2	8	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
INFORMATION TECHNOLOGY INDUSTRIES—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	7 639	8 873	9 977	10 456	8 107	9 096	7 281	7 485	9 664	8 975	8 692	11 236	26 489	27 659	24 430	28 903	107 481
1983 ---	7 557	7 987	10 616	9 230	8 607	11 585	7 999	8 537	11 429	9 901	10 333	12 700	26 160	29 422	27 965	32 934	116 481
1984 ---	9 236	10 459	12 257	10 783	12 274	13 058	9 214	11 067	12 272	11 328	12 603	13 592	31 952	36 115	32 553	37 523	138 143
1985 ---	9 807	14 426	13 660	10 161	11 368	14 209	9 348	10 692	13 392	11 635	11 560	13 717	37 893	35 738	33 432	36 912	143 975
1986 ---	9 066	12 111	12 055	9 663	10 031	14 752	9 604	10 631	13 671	10 501	11 352	14 080	33 242	34 446	33 906	35 933	137 527
1987 ---	9 620	11 149	12 441	10 807	10 894	15 162	10 711	10 386	14 176	11 433	11 969	15 114	33 210	36 863	35 273	38 516	143 862
1988 ---	11 227	12 175	14 509	11 945	12 552	14 466	11 312	13 107	15 140	12 423	13 113	16 473	37 911	38 963	39 559	42 009	158 442
1989 ---	11 014	12 732	15 139	11 887	12 998	16 088	11 483	13 348	19 285	12 795	13 981	18 495	38 885	40 973	44 116	45 271	169 245
1990 ---	11 427	13 451	16 021	12 911	13 903	17 197	12 499	12 821	17 282	14 387	13 404	17 295	40 899	44 011	42 602	45 086	172 598
Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 594	9 248	9 247	10 553	8 313	8 117	8 652	8 324	9 086	9 261	8 478	9 416	27 089	26 983	26 062	27 155	(X)
1983 ---	8 684	8 362	9 777	9 514	8 836	10 392	9 592	9 329	10 683	10 257	10 167	10 581	26 823	28 742	29 604	31 005	(X)
1984 ---	10 757	10 911	11 212	11 231	12 641	11 479	11 176	12 010	11 156	11 787	12 448	11 093	32 880	35 351	34 342	35 328	(X)
1985 ---	11 758	14 882	12 382	10 827	11 805	12 357	11 292	11 576	11 980	12 185	11 453	11 311	39 022	34 989	34 848	34 949	(X)
1986 ---	11 040	12 547	10 810	10 526	10 482	12 781	11 332	11 418	12 071	11 050	11 288	11 802	34 397	33 789	34 821	34 140	(X)
1987 ---	11 756	11 626	11 189	11 768	11 376	13 125	12 562	11 180	12 290	12 133	11 985	12 758	34 571	36 269	36 032	36 876	(X)
1988 ---	13 522	12 784	13 032	13 069	13 136	12 107	13 299	13 962	12 965	13 201	13 233	13 883	39 338	38 312	40 226	40 317	(X)
1989 ---	13 530	13 424	13 544	13 072	13 603	13 474	13 525	14 220	16 904	13 610	14 177	15 752	40 498	40 149	44 649	43 539	(X)
1990 ---	14 132	14 306	14 323	14 121	14 491	14 561	14 627	13 672	14 864	15 343	13 621	14 534	42 761	43 173	43 163	43 498	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.2	7.6	-	14.1	-21.2	-2.4	6.6	-3.8	9.2	1.9	-8.5	11.1	4.3	-4	-3.4	4.2	(X)
1983 ---	-7.8	-3.7	16.9	-2.7	-7.1	17.6	-7.7	-2.7	14.5	-4.0	-9	4.1	-1.2	7.2	3.0	4.7	(X)
1984 ---	1.7	1.4	2.8	2	12.6	-9.2	-2.6	7.5	-7.1	5.7	5.6	-10.9	6.0	7.5	-2.9	2.9	(X)
1985 ---	6.0	26.6	-16.8	-12.6	9.0	4.7	-8.6	2.5	3.5	1.7	-6.0	-1.2	10.5	-10.3	-4	.3	(X)
1986 ---	-2.4	13.7	-13.8	-2.6	-4	21.9	-11.3	8	5.7	-8.5	2.2	4.6	-1.6	-1.8	3.1	-2.0	(X)
1987 ---	-4	-1.1	-3.8	5.2	-3.3	15.4	-4.3	-11.0	9.9	-1.3	-1.2	6.4	1.3	4.9	-7	2.3	(X)
1988 ---	6.0	-5.5	1.9	3	5	-7.8	9.8	5.0	-7.1	1.8	2	4.9	6.7	-2.6	5.0	.2	(X)
1989 ---	-2.5	-8	.9	-3.5	4.1	-9	4	5.1	18.9	-19.5	4.2	11.1	4	-9	11.2	-2.5	(X)
1990 ---	-10.3	1.2	.1	-1.4	2.6	5	5	-6.5	8.7	3.2	-11.2	6.7	-1.8	1.0	-	.8	(X)
HEALTH CARE EQUIPMENT AND PRODUCTS—NEW ORDERS																	
Without Seasonal Adjustment—Millions of Dollars																	
1982 ---	3 105	3 576	3 902	3 569	3 465	3 820	3 229	3 610	4 218	3 466	3 460	3 612	10 583	10 854	11 057	10 538	43 032
1983 ---	3 600	3 808	3 923	3 574	3 566	4 201	3 540	3 853	4 488	3 904	3 844	4 146	11 331	11 341	11 881	11 894	46 447
1984 ---	3 870	3 881	4 365	3 899	4 113	4 627	3 819	4 352	4 818	4 219	4 164	4 495	12 116	12 639	12 989	12 878	50 622
1985 ---	4 212	4 413	4 597	4 067	4 155	5 042	4 039	4 500	4 918	4 382	4 168	4 797	13 222	13 264	13 457	13 347	53 290
1986 ---	4 526	4 569	4 685	4 284	4 441	5 003	4 163	4 734	5 514	4 829	4 573	4 976	13 780	13 728	14 411	14 378	56 297
1987 ---	4 888	5 014	5 327	4 901	4 903	5 816	5 021	5 461	6 300	5 453	5 308	5 722	15 229	15 620	16 782	16 483	64 114
1988 ---	5 565	5 712	6 061	5 537	5 440	6 179	5 313	6 040	6 455	6 016	5 834	6 314	17 338	17 156	17 808	18 164	70 466
1989 ---	5 777	6 176	6 297	5 909	5 815	7 227	5 903	6 314	7 819	6 382	6 102	6 552	18 250	18 951	20 036	19 036	76 273
1990 ---	6 541	6 582	6 916	6 312	6 275	7 102	6 399	6 888	7 501	7 090	6 782	6 666	20 039	19 689	20 788	20 538	81 054
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 252	3 555	3 661	3 779	3 629	3 580	3 569	3 649	3 741	3 480	3 592	3 547	10 468	10 988	10 959	10 619	(X)
1983 ---	3 756	3 787	3 691	3 786	3 733	3 933	3 909	3 870	3 973	3 945	4 003	4 062	11 234	11 452	11 752	12 010	(X)
1984 ---	4 018	3 858	4 127	4 131	4 295	4 315	4 224	4 356	4 276	4 274	4 340	4 398	12 003	12 741	12 856	13 012	(X)
1985 ---	4 347	4 384	4 354	4 304	4 359	4 698	4 458	4 489	4 372	4 443	4 352	4 702	13 085	13 361	13 319	13 497	(X)
1986 ---	4 640	4 536	4 460	4 539	4 683	4 658	4 585	4 711	4 937	4 891	4 774	4 890	13 636	13 880	14 233	14 555	(X)
1987 ---	4 976	4 984	5 083	5 169	5 179	5 446	5 485	5 424	5 659	5 516	5 527	5 647	15 043	15 794	16 568	16 690	(X)
1988 ---	5 638	5 684	5 798	5 827	5 750	5 797	5 771	5 986	5 808	6 081	6 059	6 254	17 120	17 374	17 565	18 394	(X)
1989 ---	5 840	6 156	6 032	6 198	6 160	6 843	6 389	6 242	7 131	6 450	6 332	6 510	18 028	19 201	19 762	19 292	(X)
1990 ---	6 592	6 567	6 628	6 622	6 659	6 707	6 899	6 805	6 793	7 170	7 029	6 625	19 787	19 988	20 497	20 824	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-7	9.3	3.0	3.2	-4.0	-1.4	-3	2.2	2.5	-7.0	3.2	-1.3	5.9	5.0	-3	-3.1	(X)
1983 ---	5.9	8	-2.5	2.6	-1.4	5.4	-6	-1.0	2.7	-7	1.5	1.5	5.8	1.9	2.6	2.2	(X)
1984 ---	-1.1	-4.0	7.0	1	4.0	5	-2.1	3.1	-1.8	-	1.5	1.3	-1	6.1	9	1.2	(X)
1985 ---	-1.2	9	-7	-1.1	1.3	7.8	-5.1	7	-2.6	1.6	-2.0	8.0	6	2.1	-3	1.3	(X)
1986 ---	-1.3	-2.2	-1.7	1.8	3.2	-5	-1.6	2.7	4.8	-9	-2.4	2.4	1.0	1.8	2.5	2.3	(X)
1987 ---	1.8	2	2.0	1.7	2	5.2	7	-1.1	4.3	-2.5	2	2.2	3.4	5.0	4.9	.7	(X)
1988 ---	-2	8	2.0	5	-1.3	8	-4	3.7	-3.0	4.7	-4	3.2	2.6	1.5	1.1	4.7	(X)
1989 ---	-6.6	5.4	-2.0	2.8	-6	11.1	-6.6	-2.3	14.2	-9.5	-1.8	2.8	-2.0	6.5	2.9	-2.4	(X)
1990 ---	1.3	-4	9	-1	6	7	2.9	-1.4	-2	5.5	-2.0	-5.7	2.6	1.0	2.5	1.6	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series by Month: 1982-1990—Con.**

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- Represents no change. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month. (X) Not applicable. (NA) Not available.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	328 172	328 302	330 298	330 038	324 159	318 457	315 069	309 291	306 245	305 872	303 027	308 633
1983 ---	316 658	317 672	320 295	322 936	322 393	324 037	326 124	327 055	328 816	335 208	338 707	343 479
1984 ---	353 064	361 469	373 401	375 467	377 192	373 742	375 949	374 485	371 836	368 060	368 224	369 844
1985 ---	378 656	381 972	383 609	382 085	379 737	381 177	381 445	381 145	382 653	381 927	376 963	383 865
1986 ---	391 647	396 604	403 018	400 103	396 030	391 247	390 426	386 512	388 291	386 000	386 486	390 428
1987 ---	393 691	396 208	400 608	404 675	407 357	409 875	416 408	417 545	418 052	419 644	422 165	427 185
1988 ---	436 627	444 495	447 732	448 675	448 114	448 215	451 661	453 380	454 295	455 742	457 843	468 994
1989 ---	479 293	485 768	493 285	497 867	495 645	497 547	502 460	498 592	501 623	500 613	507 692	517 822
1990 ---	524 078	524 343	530 662	531 808	531 829	527 228	529 333	525 219	525 826	526 870	520 937	524 072
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	327 202	325 273	326 261	325 700	321 280	317 596	314 844	310 641	309 280	309 480	308 105	311 893
1983 ---	315 832	314 657	315 889	318 301	319 216	323 160	325 848	328 310	332 306	339 893	345 263	347 310
1984 ---	352 315	357 938	367 374	369 190	373 022	372 547	375 500	375 903	375 531	373 184	374 970	373 607
1985 ---	378 220	378 544	377 354	376 002	375 875	380 250	381 461	383 229	386 469	387 209	383 254	387 241
1986 ---	390 744	392 757	396 349	394 099	392 663	390 826	390 630	388 665	391 913	391 154	392 276	393 629
1987 ---	392 833	392 386	394 337	398 927	404 172	409 692	416 414	420 224	421 776	425 409	427 895	430 589
1988 ---	435 842	440 287	441 243	442 668	444 763	447 754	451 442	456 241	458 076	461 691	463 170	472 223
1989 ---	478 625	481 671	486 988	492 012	492 314	496 927	502 040	501 485	505 100	506 155	512 382	520 837
1990 ---	523 476	520 680	525 127	526 797	528 901	526 695	528 980	528 070	529 141	532 164	525 574	527 195
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	2	-6	.3	-2	-1.4	-1.1	-9	-1.3	-4	1	-4	1.2
1983 ---	1.3	-4	.4	8	3	1.2	8	8	1.2	2.3	1.6	6
1984 ---	1.4	1.6	2.6	5	1.0	-1	8	1	-1	-6	5	-4
1985 ---	1.2	.1	-3	-4	-	1.2	.3	5	8	2	-1.0	1.0
1986 ---	.9	.5	.9	-6	-4	-5	-1	-5	8	-2	.3	.3
1987 ---	-2	-1	.5	1.2	1.3	1.4	1.6	9	4	9	6	6
1988 ---	1.2	1.0	.2	3	.5	.7	8	1.1	4	8	3	2.0
1989 ---	1.4	6	1.1	1.0	1	9	1.0	-1	7	2	1.2	1.7
1990 ---	.5	-5	.9	3	4	-4	4	-2	2	6	-1.2	.3
<b>DURABLE GOODS INDUSTRIES, TOTAL—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	316 411	316 977	319 002	318 652	312 995	307 662	304 466	298 786	295 667	295 430	292 548	297 851
1983 ---	305 505	306 353	308 282	310 428	309 602	311 123	312 790	313 477	314 973	321 337	324 972	329 758
1984 ---	338 699	346 616	358 503	360 399	362 119	359 008	360 896	360 040	357 749	354 364	354 914	356 446
1985 ---	364 812	368 100	369 661	368 055	365 587	366 973	366 780	366 730	368 172	367 476	362 961	369 362
1986 ---	376 823	381 492	387 658	384 389	380 170	375 551	374 497	370 919	372 123	369 631	370 487	374 264
1987 ---	376 746	378 100	381 550	384 880	387 677	389 922	395 292	396 302	396 721	398 275	401 339	406 444
1988 ---	415 545	422 925	425 920	427 043	426 627	426 729	429 552	431 331	432 375	434 337	436 663	447 862
1989 ---	457 842	464 218	471 147	475 924	473 814	475 319	480 193	476 253	479 446	479 261	486 961	497 280
1990 ---	503 362	503 392	509 010	510 200	510 388	505 903	508 314	503 635	504 376	506 113	500 772	504 131
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	315 386	313 957	315 052	314 590	310 360	306 852	304 384	300 201	298 699	298 927	297 257	300 810
1983 ---	304 625	303 319	303 968	306 085	306 694	310 290	312 752	314 831	318 459	325 879	331 027	333 159
1984 ---	337 790	343 004	352 628	354 480	358 283	357 915	360 804	361 998	361 464	359 350	361 121	359 734
1985 ---	364 209	364 640	363 584	362 286	361 983	366 123	367 179	368 993	372 039	372 597	368 703	372 175
1986 ---	375 690	377 624	381 229	378 749	377 056	375 221	375 117	373 368	375 832	374 829	375 677	376 839
1987 ---	375 595	374 234	375 616	379 567	384 766	389 820	395 821	399 319	400 644	403 874	406 323	408 894
1988 ---	414 255	418 619	419 822	421 483	423 499	426 410	429 849	434 601	436 436	440 128	441 304	450 258
1989 ---	456 663	460 008	465 249	470 486	470 668	474 812	480 211	479 563	483 221	484 638	491 010	499 494
1990 ---	502 214	499 590	503 851	505 569	507 614	505 504	508 360	506 939	508 049	511 232	504 732	506 375
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	2	-5	3	-1	-1.3	-1.1	-8	-1.4	-5	1	-6	1.2
1983 ---	1.3	-4	2	.7	2	1.2	8	7	1.2	2.3	1.6	6
1984 ---	1.4	1.5	2.8	5	1.1	-1	8	2	-	-6	5	-4
1985 ---	1.2	1	-3	-4	-1	1.1	3	5	8	1	-1.0	9
1986 ---	.9	.5	1.0	-7	-4	-5	-	-5	7	-3	2	.3
1987 ---	-3	-4	.4	1.1	1.4	1.3	1.5	9	3	8	6	6
1988 ---	1.3	1.1	3	4	.5	.7	8	1.1	4	8	3	2.0
1989 ---	1.4	7	1.1	1.1	-	9	1.1	-1	8	3	1.3	1.7
1990 ---	.5	-5	9	3	.4	-4	6	-3	2	6	-1.3	.3

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 020	2 965	2 849	2 804	2 848	2 748	2 788	2 692	2 728	2 636	2 636	2 569
1983 ---	2 660	2 835	2 937	3 048	3 155	3 245	3 340	3 341	3 313	3 320	3 329	3 275
1984 ---	3 553	3 868	4 085	4 173	4 258	4 104	4 199	4 267	4 147	4 080	4 090	4 196
1985 ---	4 310	4 627	4 652	4 687	4 689	4 690	4 722	4 670	4 599	4 482	4 482	5 000
1986 ---	5 201	5 516	5 726	5 596	5 534	5 606	5 569	5 541	5 514	5 401	5 392	5 312
1987 ---	5 374	5 543	5 639	5 507	5 475	5 322	5 386	5 490	5 490	5 231	5 219	5 047
1988 ---	5 368	5 619	5 591	5 588	5 684	5 812	5 858	5 949	5 866	5 720	5 832	5 630
1989 ---	5 652	5 870	5 751	5 578	5 670	5 553	5 404	5 236	5 252	5 153	5 202	5 164
1990 ---	5 125	5 221	5 036	5 140	5 078	5 103	5 150	5 316	5 416	5 348	5 111	5 084
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 075	2 928	2 785	2 725	2 749	2 697	2 703	2 669	2 796	2 721	2 738	2 692
1983 ---	2 721	2 789	2 861	2 968	3 054	3 190	3 253	3 315	3 386	3 426	3 459	3 422
1984 ---	3 640	3 792	3 959	4 057	4 137	4 039	4 117	4 243	4 219	4 214	4 253	4 371
1985 ---	4 410	4 523	4 492	4 557	4 577	4 631	4 663	4 645	4 657	4 969	4 855	5 192
1986 ---	5 308	5 376	5 532	5 463	5 430	5 546	5 530	5 512	5 563	5 566	5 558	5 499
1987 ---	5 464	5 398	5 467	5 415	5 400	5 275	5 366	5 449	5 450	5 375	5 341	5 207
1988 ---	5 448	5 480	5 448	5 532	5 626	5 767	5 847	5 890	5 859	5 861	5 941	5 792
1989 ---	5 731	5 737	5 629	5 546	5 624	5 518	5 399	5 166	5 226	5 275	5 286	5 302
1990 ---	5 201	5 107	4 944	5 122	5 039	5 071	5 146	5 242	5 386	5 472	5 188	5 217
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-6.4	-4.8	-4.9	-2.2	.9	-1.9	.2	-1.3	.48	-2.7	.6	-1.7
1983 ---	1.1	2.5	2.6	3.7	2.9	4.5	2.0	1.9	2.1	1.2	1.0	-1.1
1984 ---	6.4	4.2	4.4	2.5	2.0	-2.4	1.9	3.1	-6	-1	9	2.8
1985 ---	9	2.6	-7	1.4	.4	1.2	7	-4	3	6.7	-2.3	6.9
1986 ---	2.2	1.3	2.9	-1.2	-6	2.1	-3	-3	9	1	-1	-1.1
1987 ---	-6	-1.2	1.3	-1.0	-3	-2.3	1.7	1.5	-	-1.4	-6	-2.5
1988 ---	4.6	.6	-6	1.5	1.7	2.5	1.4	7	-5	-	1.4	-2.5
1989 ---	-1.1	1	-1.9	-1.5	1.4	-1.9	-2.2	-4.3	1.2	9	2	.3
1990 ---	-1.9	-1.8	-3.2	3.6	-1.6	6	1.5	1.9	2.7	1.6	-5.2	6
<b>PRIMARY METALS INDUSTRIES, TOTAL—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	21 081	20 461	19 679	18 661	17 871	17 288	16 874	16 289	15 706	14 958	14 870	14 967
1983 ---	15 568	18 044	18 102	17 703	17 461	17 345	17 487	18 059	18 206	18 539	19 437	19 611
1984 ---	21 221	22 407	22 779	22 982	21 798	19 875	19 560	19 165	18 511	17 804	17 565	17 650
1985 ---	18 765	19 010	19 292	19 377	18 897	18 610	18 312	18 242	17 703	17 642	17 521	17 661
1986 ---	19 076	20 254	20 417	19 266	17 748	17 110	16 486	17 162	16 978	16 612	16 740	18 014
1987 ---	18 554	19 063	20 239	20 819	20 885	21 182	21 303	21 528	21 900	22 123	22 315	23 755
1988 ---	25 017	26 284	26 905	26 475	25 762	26 016	25 727	25 356	25 149	24 931	24 931	26 359
1989 ---	27 717	28 711	28 462	28 528	28 126	26 904	26 043	24 680	23 725	22 446	22 139	23 156
1990 ---	24 220	24 559	25 401	25 475	25 643	24 971	24 734	23 923	23 331	23 040	22 480	22 359
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	20 624	19 419	18 379	17 738	17 444	17 409	17 165	16 678	16 376	15 791	15 708	15 502
1983 ---	15 243	17 119	16 867	16 743	17 009	17 478	17 797	18 466	19 012	19 659	20 587	20 415
1984 ---	20 771	21 220	21 147	21 616	21 203	20 004	19 903	19 590	19 322	18 904	18 625	18 388
1985 ---	18 374	17 996	17 928	18 197	18 363	18 709	18 627	18 657	18 530	18 775	18 624	18 355
1986 ---	18 695	19 211	19 031	18 113	17 217	17 146	16 712	17 562	17 808	17 720	17 865	18 652
1987 ---	18 168	18 068	18 907	19 579	20 181	21 152	21 518	22 053	22 984	23 691	23 931	24 545
1988 ---	24 554	24 983	25 221	25 022	25 427	25 527	26 103	26 365	26 567	26 968	26 781	27 221
1989 ---	27 282	27 382	26 764	27 043	26 964	26 510	25 967	25 281	24 800	24 049	23 767	23 927
1990 ---	23 912	23 514	23 961	24 185	24 536	24 573	24 624	24 536	24 411	24 712	24 148	23 122
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-6.4	-5.8	-5.4	-3.5	-1.7	-.2	-1.4	-2.8	-1.8	-3.6	-.5	-1.3
1983 ---	-1.7	12.3	-1.5	-.7	1.6	2.8	1.8	3.8	3.0	3.4	4.7	-.8
1984 ---	1.7	2.2	-.3	2.2	-1.9	-5.7	-.5	-1.6	-1.4	-2.2	-1.5	-1.3
1985 ---	-1	-2.1	-.4	1.5	-.9	1.9	-.4	2	-.7	1.3	-.8	-1.4
1986 ---	1.9	2.8	-.9	4.8	-4.9	-.4	-2.5	5.1	1.4	-.3	8	4.4
1987 ---	-2.5	4.6	3.6	3.1	4.8	4.8	1.7	2.5	4.2	3.1	1.0	2.6
1988 ---	-.7	1.7	1.0	-.8	3.1	4	2.3	1.0	8	1.5	-.7	1.6
1989 ---	2	4	-2.3	1.0	-.3	-1.7	-2.0	-2.6	-1.9	-3.0	-1.2	7
1990 ---	-1	-1.7	1.9	.9	1.5	.2	.2	-.4	-.5	1.2	-2.3	-4.2

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>BLAST FURNACES, STEEL MILLS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	9 871	9 449	8 915	8 391	8 047	7 548	7 389	7 058	6 632	6 365	6 288	6 321
1983 ---	6 467	8 055	7 984	7 749	7 683	7 430	7 651	7 878	8 235	8 691	9 002	9 046
1984 ---	10 036	10 692	11 075	10 882	9 962	8 649	8 334	8 139	7 575	7 388	7 461	7 787
1985 ---	8 468	8 893	9 028	9 000	8 517	8 049	8 015	8 208	7 744	7 879	8 002	7 962
1986 ---	8 379	9 037	9 401	8 879	8 107	7 656	7 166	7 871	8 000	7 761	7 867	8 652
1987 ---	8 817	9 311	9 973	10 629	10 350	10 299	10 481	10 646	10 553	10 276	10 688	11 600
1988 ---	12 009	12 547	12 647	12 274	12 205	11 633	11 679	11 418	11 227	10 637	10 486	11 266
1989 ---	12 321	13 072	12 477	12 050	11 427	10 401	9 935	9 258	8 732	8 379	8 261	8 984
1990 ---	9 776	10 097	10 055	10 096	10 235	9 804	9 803	9 665	9 311	9 063	8 448	8 264
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 638	8 809	8 133	7 819	7 793	7 694	7 625	7 336	7 076	6 786	6 662	6 576
1983 ---	6 297	7 460	7 244	7 174	7 438	7 633	7 925	8 177	8 813	9 297	9 549	9 440
1984 ---	9 770	9 881	10 026	10 000	9 639	8 909	8 647	8 443	8 136	7 946	7 933	8 117
1985 ---	8 254	8 181	8 176	8 235	8 238	8 290	8 312	8 501	8 324	8 523	8 561	8 262
1986 ---	8 170	8 286	8 556	8 125	7 831	7 848	7 402	8 146	6 593	8 451	8 483	8 936
1987 ---	8 578	8 525	9 134	9 773	9 962	10 484	10 750	11 016	11 311	11 263	11 635	11 970
1988 ---	11 635	11 474	11 645	11 350	11 690	11 750	11 899	11 836	12 014	11 732	11 507	11 638
1989 ---	11 877	11 953	11 514	11 195	10 882	10 453	10 079	9 615	9 334	9 267	9 124	9 308
1990 ---	9 372	9 231	9 282	9 403	9 711	9 828	9 926	10 050	9 954	10 069	9 360	8 578
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-9.0	-8.6	-7.7	-3.9	-3	-1.3	-9	-3.8	-3.5	-4.1	-1.8	-1.3
1983 ---	-4.2	18.8	-3.2	-1.0	3.7	2.6	3.8	3.2	7.8	5.5	2.7	-1.1
1984 ---	3.5	1.1	1.5	-3	-3.6	-7.6	-2.9	-2.4	-3.6	-2.3	-2	2.3
1985 ---	1.7	-9	-1	7	-	6	3	2.3	-2.1	2.4	4	-3.5
1986 ---	-1.1	1.4	3.3	-5.0	-3.6	2	-5.7	10.1	5.5	-1.7	4	5.3
1987 ---	-4.0	-6	7.1	7.0	1.9	5.2	2.5	2.5	2.7	-4	3.3	2.9
1988 ---	-2.8	-1.4	1.5	-2.5	3.0	5	1.3	-5	1.5	-2.3	-1.9	1.1
1989 ---	2.1	6	-3.7	-2.8	-2.8	-3.9	-3.6	-4.6	-2.9	-5	-1.5	2.0
1990 ---	7	-1.5	6	1.3	3.3	1.2	1.0	1.2	-1.0	1.2	-7.0	-8.4
<b>IRON AND STEEL FOUNDRIES—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 609	2 481	2 298	2 128	1 990	1 921	1 916	1 765	1 620	1 546	1 522	1 493
1983 ---	1 491	1 477	1 468	1 423	1 407	1 374	1 393	1 334	1 341	1 336	1 322	1 350
1984 ---	1 431	1 506	1 564	1 607	1 593	1 616	1 706	1 680	1 649	1 616	1 577	1 525
1985 ---	1 600	1 544	1 586	1 612	1 642	1 594	1 604	1 578	1 606	1 663	1 691	1 659
1986 ---	1 770	1 809	1 849	1 890	1 828	1 829	1 821	1 810	1 795	1 895	1 819	1 841
1987 ---	1 940	1 919	1 869	1 877	1 941	1 915	1 962	1 958	2 072	2 082	2 161	2 137
1988 ---	2 255	2 299	2 347	2 386	2 361	2 385	2 468	2 455	2 491	2 533	2 496	2 491
1989 ---	2 690	2 723	2 716	2 819	2 801	2 756	2 738	2 705	2 645	2 630	2 615	2 595
1990 ---	2 680	2 714	2 929	3 004	3 002	3 021	3 023	3 158	3 106	3 128	3 103	3 018
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 541	2 412	2 243	2 111	1 995	1 968	1 910	1 792	1 650	1 562	1 539	1 508
1983 ---	1 459	1 441	1 435	1 405	1 410	1 397	1 382	1 355	1 365	1 349	1 339	1 374
1984 ---	1 406	1 474	1 533	1 579	1 594	1 630	1 669	1 705	1 677	1 632	1 599	1 565
1985 ---	1 577	1 514	1 557	1 576	1 640	1 600	1 588	1 598	1 632	1 680	1 717	1 713
1986 ---	1 745	1 777	1 820	1 841	1 822	1 830	1 806	1 830	1 822	1 915	1 849	1 907
1987 ---	1 916	1 867	1 842	1 824	1 931	1 912	1 950	1 976	2 101	2 104	2 197	2 215
1988 ---	2 230	2 261	2 315	2 316	2 344	2 378	2 459	2 479	2 524	2 559	2 538	2 581
1989 ---	2 670	2 679	2 677	2 735	2 775	2 748	2 731	2 729	2 679	2 657	2 659	2 689
1990 ---	2 664	2 671	2 886	2 914	2 970	3 013	3 016	3 185	3 144	3 162	3 156	3 128
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-4.1	-5.1	-7.0	-5.9	-5.5	-1.4	-2.9	-6.2	-7.9	-5.3	-1.5	-2.0
1983 ---	-3.2	-1.2	-4	-2.1	4	-9	-1.1	-2.0	7	-1.2	-7	2.6
1984 ---	2.3	4.8	4.0	3.0	9	2.3	3.6	9	-1.6	-2.7	-2.0	-2.1
1985 ---	6	-4.0	2.8	1.2	4.1	-2.4	6	2.1	2.9	2.9	2.2	-2
1986 ---	1.9	1.8	2.4	1.2	-1.0	4	-1.3	1.3	-4	5.1	-3.4	3.1
1987 ---	5	-1.5	-2.4	-1.0	5.8	-1.0	2.0	1.4	6.2	1	4.4	8
1988 ---	7	1.4	2.4	-	1.2	1.5	3.4	8	1.8	1.4	-8	1.7
1989 ---	3.4	3	-1	2.2	1.5	-1.0	-6	-1	-1.8	-8	1	1.1
1990 ---	-9	3	8.0	1.0	1.9	1.4	1	5.6	-1.3	6	-2	-9

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONFERROUS AND OTHER PRIMARY METALS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	8 601	8 531	8 466	8 142	7 834	7 819	7 569	7 466	7 454	7 047	7 060	7 153
1983 ---	7 610	8 512	8 550	8 531	8 371	8 541	8 443	8 847	8 630	8 512	9 113	9 215
1984 ---	9 754	10 209	10 140	10 493	10 243	9 610	9 520	9 346	9 287	8 800	8 527	8 338
1985 ---	8 697	8 573	8 678	8 765	8 738	8 967	8 693	8 456	8 353	8 100	7 828	8 040
1986 ---	8 927	9 408	9 167	8 497	7 813	7 625	7 499	7 481	7 183	6 956	7 054	7 521
1987 ---	7 797	7 833	8 397	8 313	8 594	8 968	8 860	8 924	9 275	9 765	9 466	10 018
1988 ---	10 753	11 438	11 911	11 815	11 854	11 744	11 869	11 854	11 638	11 979	11 949	12 602
1989 ---	12 706	12 916	13 269	13 659	13 898	13 747	13 370	12 717	12 348	11 437	11 263	11 577
1990 ---	11 764	11 748	12 417	12 375	12 406	12 146	11 908	11 100	10 914	10 849	10 929	11 077
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 445	8 198	8 003	7 808	7 656	7 747	7 630	7 550	7 650	7 443	7 507	7 418
1983 ---	7 487	8 198	8 188	8 164	8 161	8 448	8 490	8 934	8 834	9 013	9 699	9 601
1984 ---	9 595	9 865	9 588	10 037	9 970	9 465	9 567	9 442	9 509	9 326	9 093	8 706
1985 ---	8 541	8 301	8 195	8 386	8 485	8 813	8 727	8 558	8 574	8 572	8 346	8 380
1986 ---	8 740	9 148	8 655	8 147	7 564	7 468	7 504	7 586	7 393	7 354	7 533	7 809
1987 ---	7 694	7 656	7 931	7 982	8 288	8 756	8 818	9 059	9 572	10 324	10 099	10 360
1988 ---	10 689	11 248	11 261	11 356	11 393	11 399	11 745	12 050	12 029	12 677	12 736	13 002
1989 ---	12 735	12 750	12 573	13 113	13 307	13 309	13 157	12 937	12 787	12 105	11 984	11 930
1990 ---	11 876	11 612	11 793	11 868	11 855	11 732	11 682	11 301	11 313	11 481	11 632	11 416
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-3.8	-2.9	-2.4	-2.4	-1.9	1.2	-1.5	-1.0	1.3	-2.7	.9	-1.2
1983 ---	.9	9.5	-1	-3	-	3.5	.5	5.2	-1.1	2.0	7.6	-1.0
1984 ---	-1	2.8	-2.8	4.7	-7	-5.1	1.1	-1.3	7	-1.9	-2.5	-4.3
1985 ---	-1.9	-2.8	-1.3	2.3	1.2	3.9	-1.0	-1.9	2	-	-2.6	4
1986 ---	4.8	4.2	-5.4	-5.9	-7.2	-1.3	.5	4	-2.5	-	-2.4	3.7
1987 ---	-1.5	-5	3.6	-	3.8	5.6	.7	2.7	5.7	7.9	-2.2	2.6
1988 ---	3.2	5.2	1	8	3	3.0	2.6	2.6	-2	5.4	5	2.1
1989 ---	-2.1	1	-1.4	4.3	1.5	1	-1.1	-1.7	-1.2	-5.3	-1.0	-5
1990 ---	-5	-2.2	1.6	6	-1	-1.0	-4	-3.3	1	1.5	1.3	-1.9
<b>FABRICATED METAL PRODUCTS, TOTAL—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	32 594	32 310	33 123	32 457	31 898	31 548	31 029	30 239	29 542	28 922	27 747	26 726
1983 ---	26 850	26 664	27 287	27 035	27 108	27 248	27 378	27 096	27 074	26 689	26 475	26 403
1984 ---	26 916	27 581	28 177	28 129	28 604	28 853	28 786	29 365	29 779	29 506	29 980	29 946
1985 ---	30 415	30 364	30 935	30 619	30 321	29 983	29 591	29 465	29 398	28 588	29 026	28 978
1986 ---	29 027	29 220	29 185	29 451	29 477	29 649	29 451	29 117	28 969	28 354	28 658	29 456
1987 ---	29 636	29 582	29 802	29 701	30 120	30 998	31 411	31 650	32 061	32 276	32 447	32 805
1988 ---	32 488	32 718	32 886	32 613	32 747	32 184	32 334	32 050	31 752	31 348	31 125	31 353
1989 ---	31 264	31 777	31 665	31 273	30 618	30 766	30 294	29 438	28 874	28 618	28 173	28 326
1990 ---	28 641	28 458	28 623	28 660	28 151	27 946	28 564	28 102	28 540	27 659	27 120	27 260
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	32 937	32 354	32 746	32 106	31 600	31 242	30 711	30 098	29 573	29 307	28 164	27 117
1983 ---	27 167	26 701	26 964	26 764	26 855	26 987	27 117	26 970	27 112	27 056	26 870	26 753
1984 ---	27 207	27 587	27 845	27 880	28 356	28 613	28 552	29 216	29 838	29 897	30 377	30 257
1985 ---	30 663	30 347	30 624	30 401	30 078	29 785	29 388	29 327	29 475	28 951	29 398	29 218
1986 ---	29 196	29 165	28 910	29 267	29 258	29 507	29 261	28 999	29 076	28 707	29 023	29 651
1987 ---	29 742	29 514	29 558	29 522	29 924	30 911	31 198	31 539	32 183	32 637	32 841	32 971
1988 ---	32 540	32 632	32 626	32 411	32 587	32 155	32 084	31 936	31 884	31 718	31 535	31 520
1989 ---	31 274	31 694	31 409	31 066	30 496	30 798	30 030	29 325	28 960	28 896	28 543	28 477
1990 ---	28 634	28 391	28 401	28 476	28 069	27 999	28 288	27 986	28 613	27 915	27 485	27 411
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-3	-1.8	1.2	-2.0	-1.6	-1.1	-1.7	-2.0	-1.7	-9	-3.9	-3.7
1983 ---	2	-1.7	1.0	-7	3	5	5	-5	5	-2	-7	-4
1984 ---	1.7	1.4	9	1	1.7	9	-2	2.3	2.1	-2	1.6	-4
1985 ---	1.3	-1.0	9	-7	-1.1	-1.0	-1.3	-2	5	-1.8	1.5	-6
1986 ---	-1	-1	-9	1.2	1.4	9	-8	-9	3	-1.3	1.1	2.2
1987 ---	3	-8	1	-1	1.4	3.3	9	1.1	2.0	1.4	6	4
1988 ---	-1.3	.3	-	-7	5	-1.3	-2	5	-2	-2	-6	-
1989 ---	-8	1.3	-9	-1.1	-1.8	1.0	-2.5	-2.3	-1.2	-2	-1.2	-2
1990 ---	6	-8	-	3	-1.4	-2	1.0	-1.1	2.2	-2.4	-1.5	-3

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—UNFILLED ORDERS												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	68 818	67 621	65 392	64 766	62 525	60 234	58 380	56 116	54 167	53 757	52 527	51 559
1983 ---	51 110	50 228	50 045	50 283	50 373	50 362	49 685	49 377	50 409	51 802	51 830	51 992
1984 ---	53 650	54 270	55 269	55 416	56 240	56 296	56 362	55 982	55 080	54 448	54 044	53 026
1985 ---	52 428	55 450	56 052	55 462	54 873	54 443	54 107	54 294	54 106	53 800	53 655	53 013
1986 ---	52 599	53 574	52 365	51 256	50 891	49 892	49 467	49 346	48 891	48 274	48 627	48 006
1987 ---	48 078	48 862	48 545	49 062	49 766	49 804	50 089	50 810	50 829	51 263	51 586	51 506
1988 ---	52 685	53 642	53 998	54 782	55 111	55 344	55 719	57 105	57 025	56 737	57 409	56 962
1989 ---	58 457	59 095	59 233	59 880	60 075	60 920	60 274	60 190	60 656	59 728	60 235	59 055
1990 ---	60 087	60 331	59 445	59 194	59 240	58 431	59 626	58 693	58 951	58 414	58 493	56 925
Seasonally Adjusted—Millions of Dollars												
1982 ---	68 190	66 978	64 976	64 139	62 109	60 016	58 399	56 429	54 644	54 374	53 132	51 868
1983 ---	50 721	49 807	49 743	49 809	49 953	50 128	49 755	49 629	50 829	52 356	52 417	52 361
1984 ---	53 381	53 857	54 937	54 893	55 689	55 935	56 467	56 214	55 490	54 961	54 567	53 483
1985 ---	52 298	55 022	55 747	54 996	54 354	54 161	54 185	54 452	54 483	54 255	54 059	53 483
1986 ---	52 520	53 116	52 052	50 874	50 506	49 773	49 565	49 434	49 205	48 664	48 902	48 424
1987 ---	48 008	48 407	48 297	48 746	49 409	49 773	50 177	50 883	51 194	51 717	51 807	51 897
1988 ---	52 512	53 144	53 734	54 377	54 758	55 382	55 809	57 173	57 446	57 248	57 638	57 341
1989 ---	58 191	58 561	58 975	59 451	59 762	60 988	60 381	60 295	61 109	60 214	60 369	59 354
1990 ---	59 740	59 821	59 258	58 851	59 007	58 533	59 726	58 749	59 349	58 820	58 569	57 185
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	-1.8	-1.8	-3.0	-1.3	-3.2	-3.4	-2.7	-3.4	-3.2	-5	-2.3	-2.4
1983 ---	-2.2	-1.8	-1	-1	3	4	-7	-3	2.4	3.0	1	-1
1984 ---	1.9	9	2.0	-1	1.5	4	1.0	-4	-1.3	-1.0	-7	-2.0
1985 ---	-2.2	5.2	1.3	-1.3	-1.2	-4	-	5	1	-4	-4	-1.1
1986 ---	-1.8	1.1	-2.0	-2.3	-7	-1.5	-4	-3	-5	-1.1	5	-9
1987 ---	-9	8	-2	9	1.4	7	8	1.4	6	1.0	2	2
1988 ---	1.2	1.2	1.1	1.2	7	1.1	8	2.4	5	-3	7	-5
1989 ---	1.5	6	7	8	5	2.1	-1.0	-1	1.4	-1.5	3	-1.7
1990 ---	7	1	-9	-7	3	-8	2.0	-1.6	1.0	-9	-4	-2.4
ENGINES AND TURBINES—UNFILLED ORDERS												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	12 556	12 437	12 129	11 723	11 709	11 352	11 158	11 061	10 861	11 115	10 896	9 924
1983 ---	9 792	9 639	9 533	9 426	9 559	9 277	9 235	9 227	9 111	9 611	9 567	9 411
1984 ---	9 055	8 798	8 499	8 137	7 713	7 454	7 770	7 715	7 484	7 255	6 995	6 770
1985 ---	6 503	6 461	6 330	6 222	6 130	6 103	6 189	6 380	6 253	6 335	6 457	6 371
1986 ---	6 281	6 296	6 086	5 944	5 910	5 724	5 699	5 676	5 738	5 710	5 546	5 187
1987 ---	5 027	4 962	4 970	4 921	4 984	4 952	5 019	5 166	5 268	5 452	5 480	5 231
1988 ---	5 169	5 955	4 869	4 773	4 798	4 974	5 052	5 086	5 297	5 419	5 449	4 599
1989 ---	4 670	4 940	4 801	4 709	4 844	6 063	6 127	6 249	6 416	6 505	6 811	6 695
1990 ---	6 920	7 096	6 962	6 748	6 837	6 860	7 618	7 678	7 944	8 148	8 239	7 898
Seasonally Adjusted—Millions of Dollars												
1982 ---	12 481	12 463	12 194	11 833	11 832	11 557	11 230	10 979	10 779	10 971	10 759	9 841
1983 ---	9 748	9 662	9 584	9 539	9 677	9 491	9 309	9 146	9 025	9 459	9 407	9 303
1984 ---	9 018	8 826	8 560	8 283	7 836	7 662	7 856	7 634	7 396	7 100	6 816	6 648
1985 ---	6 468	6 469	6 385	6 367	6 262	6 302	6 278	6 321	6 181	6 189	6 265	6 247
1986 ---	6 233	6 283	6 145	6 096	6 071	5 917	5 798	5 639	5 679	5 565	5 356	5 061
1987 ---	4 959	4 924	5 029	5 081	5 157	5 138	5 115	5 145	5 219	5 301	5 261	5 093
1988 ---	5 077	5 036	4 925	4 938	4 981	5 171	5 152	5 077	5 260	5 277	5 238	4 458
1989 ---	4 557	4 851	4 871	4 924	5 070	6 278	6 232	6 242	6 373	6 338	6 528	6 488
1990 ---	6 748	6 978	7 045	7 005	7 111	7 115	7 746	7 664	7 896	7 961	7 944	7 682
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	-2.2	-1	-2.2	-3.0	-	-2.3	-2.8	-2.2	-1.8	1.8	-1.9	-8.5
1983 ---	-9	-9	-6	-5	1.4	-1.9	-1.9	-1.8	-1.3	4.8	-5	-1.1
1984 ---	-3.1	-2.1	-3.0	-3.2	-5.4	-2.2	2.5	-2.8	-3.1	-4.0	-4.0	-2.5
1985 ---	-2.7	-	-1.3	-2	-3	6	-4	7	-2.2	1	12	-3
1986 ---	-2	8	-2.2	-8	-4	-2.5	-2.0	-2.7	7	-2.0	-3.8	-5.5
1987 ---	-2.0	-7	2.1	1.0	1.5	-4	-4	6	1.4	1.6	-8	-3.2
1988 ---	-9	-8	-2.2	3	9	3.8	-4	-1.5	3.6	3	-7	-14.9
1989 ---	2.2	6.5	4	1.1	3.0	23.8	-7	2	2.1	-5	3.0	-6
1990 ---	4.0	3.4	1.0	-6	1.5	1	8.9	-1.1	3.0	8	-2	-3.3

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CONSTRUCTION, MINING, AND MATERIAL HANDLING EQUIPMENT—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	12 758	12 288	11 689	10 787	9 888	9 280	8 890	8 330	7 933	7 517	7 336	6 913
1983 ---	6 772	6 719	6 593	6 568	6 599	6 576	6 575	6 613	6 643	6 689	6 749	6 715
1984 ---	6 824	7 079	7 242	7 247	7 430	7 400	7 478	7 257	7 241	7 217	7 151	7 036
1985 ---	7 186	6 991	7 356	7 344	7 187	7 182	7 318	7 319	7 604	7 644	7 726	7 834
1986 ---	7 824	7 751	7 447	7 147	7 009	6 623	6 361	6 315	6 146	6 089	6 243	6 297
1987 ---	6 162	6 311	6 269	6 230	6 202	6 001	6 309	6 230	6 314	6 273	6 305	6 725
1988 ---	6 753	6 856	7 144	7 213	7 093	7 082	7 160	7 210	7 291	7 459	7 570	7 977
1989 ---	8 123	8 178	8 636	8 913	8 711	8 732	8 792	8 769	8 700	8 583	8 671	8 548
1990 ---	8 866	8 770	8 605	8 691	8 448	8 571	8 637	8 343	8 165	8 326	8 217	8 091
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 634	12 072	11 488	10 625	9 874	9 330	8 886	8 419	8 035	7 598	7 420	6 970
1983 ---	6 715	6 605	6 479	6 493	6 583	6 616	6 570	6 693	6 717	6 765	6 807	6 762
1984 ---	6 775	6 956	7 114	7 175	7 402	7 452	7 479	7 361	7 320	7 311	7 213	7 058
1985 ---	7 136	6 864	7 212	7 268	7 149	7 244	7 328	7 442	7 703	7 759	7 811	7 817
1986 ---	7 765	7 613	7 287	7 044	6 974	6 685	6 378	6 428	6 238	6 202	6 334	6 252
1987 ---	6 105	6 205	6 126	6 115	6 178	6 054	6 323	6 339	6 431	6 405	6 418	6 661
1988 ---	6 685	6 750	6 980	7 051	7 074	7 130	7 168	7 326	7 443	7 629	7 727	7 903
1989 ---	8 035	8 065	8 440	8 689	8 694	8 767	8 786	8 900	8 902	8 777	8 869	8 486
1990 ---	8 766	8 662	8 405	8 453	8 438	8 592	8 626	8 464	8 359	8 512	8 412	8 045
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-2.8	-4.4	-4.8	-7.5	-7.1	-5.5	-4.8	-5.3	-4.6	-5.4	-2.3	-6.1
1983 ---	-3.7	-1.6	-1.9	2	1.4	5	-7	1.9	4	7	6	-7
1984 ---	2	2.7	2.3	8	3.2	7	4	-1.6	-6	-1	-1.3	-2.1
1985 ---	1.1	-3.8	5.1	8	-1.6	1.3	1.2	1.6	3.5	7	7	1
1986 ---	-7	-2.0	-4.3	-3.3	-1.0	-4.1	-4.6	8	-3.0	-6	2.1	-1.3
1987 ---	-2.4	1.6	-1.3	-2	1.0	-2.0	4.4	3	1.5	-4	2	3.8
1988 ---	4	1.0	3.4	1.0	3	8	5	2.2	1.6	2.5	1.3	2.3
1989 ---	1.7	4	4.6	3.0	1	1	2	1.3	-	-1.4	1.0	-4.3
1990 ---	3.3	-1.2	-3.0	6	-2	1.8	4	-1.9	-1.2	1.8	-1.2	-4.4
<b>METALWORKING MACHINERY—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 706	7 297	6 827	6 462	6 039	5 773	5 489	5 238	4 882	4 800	4 576	4 377
1983 ---	4 220	4 135	4 036	3 992	4 046	4 076	4 150	4 258	4 200	4 361	4 375	4 269
1984 ---	4 421	4 564	4 726	4 804	4 934	5 013	5 461	5 690	5 780	5 750	5 767	5 813
1985 ---	5 831	5 949	6 025	6 061	6 049	6 041	6 199	6 196	6 286	6 254	6 204	5 995
1986 ---	6 051	6 099	6 069	6 031	6 019	5 898	5 867	5 909	5 874	5 764	5 730	5 550
1987 ---	5 586	5 559	5 543	5 555	5 504	5 490	5 484	5 525	5 583	5 603	5 585	5 562
1988 ---	5 750	5 904	6 197	6 455	6 576	6 739	7 110	7 403	7 641	7 632	7 982	7 993
1989 ---	8 209	8 406	8 415	8 398	8 348	8 214	8 247	8 033	8 443	8 358	8 275	7 704
1990 ---	7 688	7 613	7 651	7 406	7 229	7 272	7 134	7 105	7 156	7 069	6 977	7 054
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 706	7 297	6 827	6 462	6 039	5 773	5 489	5 238	4 882	4 800	4 576	4 377
1983 ---	4 220	4 135	4 036	3 992	4 046	4 076	4 150	4 258	4 200	4 361	4 375	4 269
1984 ---	4 421	4 564	4 726	4 804	4 934	5 013	5 461	5 690	5 780	5 750	5 767	5 813
1985 ---	5 831	5 949	6 025	6 061	6 049	6 041	6 199	6 196	6 286	6 254	6 204	5 995
1986 ---	6 051	6 099	6 069	6 031	6 019	5 898	5 867	5 909	5 874	5 764	5 730	5 550
1987 ---	5 586	5 559	5 543	5 555	5 504	5 490	5 484	5 525	5 583	5 603	5 585	5 562
1988 ---	5 750	5 904	6 197	6 455	6 576	6 739	7 110	7 403	7 641	7 632	7 982	7 993
1989 ---	8 209	8 406	8 415	8 398	8 348	8 214	8 247	8 033	8 443	8 358	8 275	7 704
1990 ---	7 688	7 613	7 651	7 406	7 229	7 272	7 134	7 105	7 156	7 069	6 977	7 054
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-3.4	-5.3	-6.4	-5.3	-6.5	-4.4	-4.9	-4.6	-6.8	-1.7	-4.7	-4.3
1983 ---	-3.6	-2.0	-2.4	-1.1	1.4	7	1.8	2.6	-1.4	3.8	3	-2.4
1984 ---	3.6	3.2	3.5	1.7	2.7	1.6	8.9	4.2	1.6	-5	3	8
1985 ---	3	2.0	1.3	6	-2	-1	2.6	-	1.5	-5	-8	-3.4
1986 ---	9	8	-5	-6	-2	-2.0	-5	7	-6	-1.9	-6	-3.1
1987 ---	6	-5	-3	2	-9	-3	-1	7	1.0	4	-3	-4
1988 ---	3.4	2.7	5.0	4.2	1.9	2.5	5.5	4.1	3.2	-1	4.6	1
1989 ---	2.7	2.4	1	-2	-6	-1.6	4	-2.6	5.1	-1.0	-1.0	-6.9
1990 ---	-2	-1.0	5	-3.2	-2.4	6	-1.9	-4	7	-1.2	-1.3	1.1

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>COMPUTER AND OFFICE EQUIPMENT—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	16 691	16 615	16 154	17 492	17 192	16 715	16 219	15 274	14 768	14 712	14 310	15 184
1983 ---	15 269	14 575	14 556	15 122	15 179	15 733	15 326	14 736	15 556	15 646	15 491	15 976
1984 ---	16 597	16 980	17 300	17 883	18 455	18 884	18 213	17 775	17 499	17 252	17 316	16 508
1985 ---	15 862	18 571	18 642	18 103	18 098	17 999	17 412	17 319	16 976	16 848	16 396	15 667
1986 ---	14 899	15 718	15 158	14 701	14 645	14 674	14 565	14 682	14 224	13 881	13 987	13 674
1987 ---	13 274	13 579	13 440	13 874	14 170	14 254	14 217	14 174	13 836	13 851	13 832	13 301
1988 ---	13 405	13 817	13 366	13 780	13 940	13 959	13 941	14 472	13 621	13 399	13 418	12 983
1989 ---	13 084	12 982	12 844	12 958	12 954	12 351	12 195	12 465	12 444	12 522	12 791	12 224
1990 ---	12 162	12 264	12 147	12 518	12 832	12 192	12 929	12 478	13 101	12 725	12 768	11 718
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 496	16 498	16 215	17 184	16 746	16 165	15 931	15 418	15 079	15 199	14 754	15 391
1983 ---	15 157	14 513	14 644	14 870	14 779	15 203	15 113	14 834	15 812	16 033	15 914	16 237
1984 ---	16 602	16 965	17 432	17 602	18 008	18 247	17 999	17 810	17 700	17 539	17 662	16 872
1985 ---	15 999	18 563	18 813	17 890	17 708	17 450	17 197	17 249	17 089	17 036	16 597	16 070
1986 ---	15 127	15 719	15 323	14 576	14 363	14 315	14 393	14 547	14 260	13 973	14 033	14 052
1987 ---	13 534	13 584	13 625	13 794	13 913	14 009	14 046	14 002	13 837	13 899	13 779	13 653
1988 ---	13 682	13 857	13 589	13 710	13 688	13 805	13 782	14 282	13 608	13 404	13 299	13 317
1989 ---	13 351	13 041	13 087	12 897	12 714	12 258	12 058	12 306	12 431	12 510	12 640	12 532
1990 ---	12 398	12 332	12 395	12 453	12 586	12 122	12 795	12 323	13 088	12 701	12 603	12 014
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-1.7	-	-1.7	6.0	-2.5	-3.5	-1.4	-3.2	-2.2	.8	-2.9	4.3
1983 ---	-1.5	-4.2	.9	1.5	-.6	2.9	-.6	-1.8	6.6	1.4	-.7	2.0
1984 ---	2.2	2.2	2.8	1.0	2.3	1.3	-1.4	-1.1	-.6	-.9	.7	-4.5
1985 ---	-5.2	16.0	1.3	-4.9	-1.0	-1.5	-1.4	.3	-.9	-.3	-2.6	-3.2
1986 ---	-5.9	3.9	-2.5	-4.9	-1.5	-.3	.5	1.1	-2.0	-2.0	.4	-.1
1987 ---	-3.7	.4	.3	1.2	.9	.7	.3	-.3	-1.2	.4	-.9	-.9
1988 ---	.2	1.3	-1.9	.9	-.2	.9	-.2	3.6	-4.7	-1.5	-.8	-.1
1989 ---	3	-2.3	.4	-1.5	-1.4	-3.6	-1.6	2.1	1.0	.6	1.0	-.9
1990 ---	-1.1	-.5	.5	.5	1.1	-3.7	5.6	-3.7	6.2	-3.0	-.8	-4.7
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	32 677	32 934	33 289	33 766	34 015	33 567	33 533	33 382	33 203	33 407	33 811	34 031
1983 ---	34 529	35 130	35 515	35 909	36 338	36 486	37 703	38 938	38 892	39 605	39 812	40 024
1984 ---	41 186	42 771	43 671	44 331	46 127	46 040	46 606	46 786	46 392	45 495	44 515	43 203
1985 ---	44 537	44 782	44 512	44 148	44 209	43 546	43 563	42 999	43 218	43 049	42 348	42 604
1986 ---	42 999	43 276	43 464	43 321	42 930	43 502	43 712	43 241	43 318	42 885	41 950	42 075
1987 ---	41 765	41 801	41 797	42 140	42 296	42 755	43 399	43 190	43 448	43 492	43 574	43 998
1988 ---	44 876	45 540	46 448	46 643	46 727	46 711	47 101	46 834	46 601	46 682	46 298	45 768
1989 ---	46 301	46 704	46 356	46 141	45 159	45 193	45 259	45 382	47 119	47 023	46 977	47 812
1990 ---	48 534	48 826	48 648	48 828	49 001	49 216	49 150	49 347	48 599	48 729	47 598	48 643
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	32 929	32 892	33 253	33 619	33 642	33 290	33 209	33 013	33 184	33 698	34 356	34 638
1983 ---	34 785	35 135	35 439	35 765	35 881	36 186	37 246	38 413	38 830	39 978	40 486	40 793
1984 ---	41 538	42 868	43 593	44 134	45 446	45 637	45 920	46 238	46 281	45 870	45 239	43 968
1985 ---	44 943	44 899	44 395	44 007	43 684	43 273	43 040	42 616	43 127	43 336	42 953	43 301
1986 ---	43 362	43 362	43 318	43 180	42 502	43 265	43 201	42 933	43 235	43 155	42 494	42 715
1987 ---	42 114	41 840	41 624	41 889	41 958	42 517	42 892	42 951	43 458	43 779	44 125	44 618
1988 ---	45 265	45 545	46 230	46 256	46 392	46 440	46 550	46 605	46 659	46 983	46 836	46 378
1989 ---	46 648	46 616	46 122	45 811	44 931	45 004	44 814	45 180	47 205	47 329	47 508	48 377
1990 ---	48 853	48 685	48 374	48 448	48 793	49 047	48 705	49 147	48 695	49 032	48 113	49 185
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	6	-.1	1.1	1.1	1	-1.0	-.2	-.6	5	1.5	2.0	.8
1983 ---	.4	1.0	.9	.9	.3	.9	2.9	3.1	1.1	3.0	1.3	.8
1984 ---	1.8	3.2	1.7	1.2	3.0	.4	.6	.7	.1	-.9	-1.4	-2.8
1985 ---	2.2	-.1	-1.1	-.9	-.7	-.9	-.5	-1.0	1.2	.5	-.9	.8
1986 ---	-.1	-	-.1	-.3	-1.6	1.8	-.1	-.6	.7	-.2	-1.5	.5
1987 ---	-1.4	-.7	-.5	.6	.2	1.3	.9	.1	1.2	.7	.8	1.1
1988 ---	1.5	.6	1.5	.1	.3	.1	.2	.1	.1	.7	-.3	-1.0
1989 ---	.6	-.1	-1.1	-.7	-1.9	.2	-.4	.8	4.5	.3	.4	1.8
1990 ---	1.0	-.3	-.6	.2	-.7	.5	-.7	.9	-.9	.7	-1.9	2.2

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ELECTRICAL TRANSMISSION AND DISTRIBUTION EQUIPMENT AND INDUSTRIAL APPARATUS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 892	7 847	7 807	7 713	7 664	7 332	7 252	7 080	6 958	6 937	7 097	7 001
1983 ---	6 888	7 041	7 011	7 067	6 867	6 941	6 974	7 043	7 096	7 083	6 966	6 576
1984 ---	6 700	6 896	6 952	6 989	6 890	6 769	6 710	6 838	6 698	6 736	6 615	6 726
1985 ---	6 905	6 935	6 946	6 934	6 883	6 582	6 626	6 693	6 635	6 563	6 379	6 326
1986 ---	6 472	6 468	6 399	6 289	6 109	5 913	5 987	5 975	6 034	6 103	5 956	5 856
1987 ---	5 891	5 934	5 927	5 911	5 798	5 713	5 692	5 790	5 881	5 883	5 860	5 730
1988 ---	5 871	5 966	6 097	6 159	6 201	6 183	6 343	6 498	6 439	6 632	6 615	6 590
1989 ---	6 976	7 066	7 090	7 088	6 988	6 932	6 902	6 732	6 694	6 620	6 627	6 528
1990 ---	6 845	6 881	6 634	6 739	6 643	6 341	6 450	6 558	6 569	6 781	6 452	6 580
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 890	7 800	7 755	7 638	7 605	7 332	7 244	7 072	6 983	6 987	7 154	7 088
1983 ---	6 888	7 000	6 967	7 011	6 822	6 946	6 969	7 035	7 117	7 126	7 017	6 652
1984 ---	6 701	6 852	6 907	6 938	6 847	6 779	6 707	6 831	6 716	6 773	6 658	6 795
1985 ---	6 906	6 888	6 902	6 887	6 845	6 597	6 624	6 689	6 652	6 599	6 424	6 394
1986 ---	6 472	6 415	6 357	6 245	6 077	5 931	5 987	5 973	6 048	6 134	6 000	5 914
1987 ---	5 891	5 882	5 890	5 874	5 771	5 732	5 695	5 793	5 892	5 908	5 901	5 777
1988 ---	5 870	5 917	6 063	6 126	6 175	6 205	6 348	6 497	6 450	6 658	6 663	6 643
1989 ---	6 974	6 995	7 046	7 047	6 955	6 964	6 910	6 731	6 707	6 650	6 683	6 582
1990 ---	6 844	6 805	6 589	6 698	6 610	6 376	6 460	6 556	6 582	6 811	6 510	6 636
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-5	-1.1	-6	-1.5	-4	-3.6	-1.2	-2.4	-1.3	1	2.4	-9
1983 ---	-2.8	1.6	-5	6	-2.7	1.8	.3	.9	1.2	1	-1.5	-5.2
1984 ---	7	2.3	.8	.4	-1.3	-1.0	-1.1	1.8	-1.7	8	-1.7	2.1
1985 ---	1.6	-3	2	-2	-6	-3.6	4	1.0	-6	-8	-2.7	-5
1986 ---	1.2	-9	-9	-1.8	-2.7	-2.4	.9	-2	1.3	1.4	-2.2	-1.4
1987 ---	-4	-2	1	-3	-1.8	-7	-6	1.7	1.8	3	-.1	-2.1
1988 ---	1.6	8	2.5	1.0	8	5	2.3	2.3	-7	3.2	.1	-3
1989 ---	5.0	3	.7	-	-1.3	.1	-8	-2.6	-4	-8	5	-1.5
1990 ---	4.0	-6	-3.2	1.7	-1.3	-3.5	1.3	1.5	4	3.5	-4.4	1.9
<b>ELECTRIC LIGHTING AND WIRING EQUIPMENT—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	968	969	960	999	969	955	952	971	949	916	932	906
1983 ---	934	982	997	994	1 003	1 035	1 073	1 159	1 142	1 186	1 182	1 234
1984 ---	1 264	1 295	1 327	1 351	1 371	1 380	1 451	1 447	1 482	1 510	1 511	1 520
1985 ---	1 537	1 505	1 515	1 577	1 608	1 564	1 625	1 664	1 787	1 752	1 673	1 661
1986 ---	1 663	1 723	1 745	1 825	1 893	1 984	2 043	2 063	2 067	2 034	2 056	1 913
1987 ---	1 938	1 968	1 879	1 896	1 919	1 924	1 934	1 963	1 989	1 980	1 967	2 029
1988 ---	2 101	2 100	2 136	2 151	2 203	2 185	2 157	2 177	2 188	2 250	2 284	2 238
1989 ---	2 336	2 349	2 324	2 391	2 407	2 356	1 793	2 391	2 044	2 113	2 051	1 987
1990 ---	2 001	2 047	2 066	2 040	2 085	2 143	2 188	2 110	2 106	2 083	2 059	2 067
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	968	969	960	999	969	955	952	971	949	916	932	906
1983 ---	934	982	997	994	1 003	1 035	1 073	1 159	1 142	1 186	1 182	1 234
1984 ---	1 264	1 295	1 327	1 351	1 371	1 380	1 451	1 447	1 482	1 510	1 511	1 520
1985 ---	1 537	1 505	1 515	1 577	1 608	1 564	1 625	1 664	1 787	1 752	1 673	1 661
1986 ---	1 663	1 723	1 745	1 825	1 893	1 984	2 043	2 063	2 067	2 034	2 056	1 913
1987 ---	1 938	1 968	1 879	1 896	1 919	1 924	1 934	1 963	1 989	1 980	1 967	2 029
1988 ---	2 101	2 100	2 136	2 151	2 203	2 185	2 157	2 177	2 188	2 250	2 284	2 238
1989 ---	2 336	2 349	2 324	2 391	2 407	2 356	1 793	2 391	2 044	2 113	2 051	1 987
1990 ---	2 001	2 047	2 066	2 040	2 085	2 143	2 188	2 110	2 106	2 083	2 059	2 067
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	1.9	1	-.9	4.1	-3.0	-1.4	-.3	2.0	-2.3	-3.5	1.7	-2.8
1983 ---	3.1	5.1	1.5	-.3	9	3.2	3.7	8.0	-1.5	3.9	-.3	4.4
1984 ---	2.4	2.5	2.5	1.8	1.5	7	5.1	-.3	2.4	1.9	1	6
1985 ---	1.1	-2.1	7	4.1	2.0	-2.7	3.9	2.4	7.4	-2.0	-4.5	-.7
1986 ---	1	3.6	1.3	4.6	3.7	4.8	3.0	1.0	2	-1.6	1.1	-7.0
1987 ---	1.3	1.5	-4.5	9	1.2	3	5	1.5	1.3	-.5	-.7	3.2
1988 ---	3.5	-	1.7	7	2.4	-.8	-1.3	.9	5	2.8	1.5	-2.0
1989 ---	4.4	6	-1.1	2.9	7	-2.1	-23.9	33.4	-14.5	3.4	-2.9	-3.1
1990 ---	7	2.3	-.9	-1.3	2.2	2.8	2.1	-3.6	-2	-1.1	-1.2	4

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>COMMUNICATION EQUIPMENT—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	10 705	10 738	11 048	11 494	11 439	11 475	11 552	11 596	11 958	12 320	12 469	12 678
1983 ---	12 739	12 890	13 157	13 174	13 138	13 169	13 131	13 302	13 377	13 584	13 782	13 757
1984 ---	13 838	14 155	14 341	14 393	14 907	14 957	15 008	15 389	15 606	15 785	15 741	15 822
1985 ---	16 601	16 849	17 167	17 138	17 151	17 573	17 363	17 192	17 603	17 813	17 688	17 536
1986 ---	17 848	18 088	18 138	17 873	17 384	18 030	18 069	17 877	18 180	18 148	17 817	17 878
1987 ---	18 159	17 974	17 604	17 591	17 278	17 825	17 896	17 396	17 497	17 482	17 443	17 716
1988 ---	17 971	17 905	18 098	18 081	18 059	17 932	17 983	18 159	18 286	18 609	18 812	18 600
1989 ---	18 731	18 834	18 657	18 226	17 827	17 825	18 509	18 288	20 560	20 410	20 424	21 335
1990 ---	21 272	21 101	20 984	20 848	20 816	21 789	21 712	21 649	21 488	21 659	21 119	22 403
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	10 687	10 705	10 997	11 463	11 406	11 479	11 585	11 637	11 976	12 344	12 517	12 711
1983 ---	12 718	12 850	13 082	13 131	13 100	13 171	13 171	13 347	13 391	13 611	13 847	13 791
1984 ---	13 820	14 116	14 246	14 343	14 870	14 958	15 051	15 443	15 614	15 808	15 819	15 859
1985 ---	16 590	16 813	17 049	17 080	17 118	17 580	17 410	17 251	17 607	17 828	17 766	17 568
1986 ---	17 842	18 060	18 015	17 821	17 373	18 045	18 100	17 939	18 177	18 153	17 868	17 906
1987 ---	18 148	17 950	17 505	17 556	17 299	17 850	17 907	17 447	17 493	17 485	17 470	17 730
1988 ---	17 947	17 878	18 018	18 061	18 108	17 969	17 979	18 204	18 281	18 615	18 821	18 608
1989 ---	18 691	18 796	18 590	18 217	17 898	17 872	18 499	18 323	20 554	20 424	20 426	21 335
1990 ---	21 214	21 053	20 920	20 846	20 904	21 844	21 698	21 681	21 478	21 676	21 118	22 402
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	1.3	.2	2.7	4.2	-.5	.6	.9	.4	2.9	3.1	1.4	1.5
1983 ---	.1	1.0	.8	.4	-.2	.5	-.	1.3	.3	1.6	1.7	-.4
1984 ---	.2	2.1	.9	.7	3.7	.6	.6	2.6	1.1	1.2	1	.3
1985 ---	4.6	1.3	1.4	.2	.2	2.7	-1.0	-.9	2.1	1.3	-.3	-1.1
1986 ---	1.6	1.2	-.2	-1.1	-2.5	3.9	.3	-.9	1.3	-.1	-1.6	.2
1987 ---	1.4	-1.1	-2.5	.3	-1.5	3.2	.3	-2.6	.3	-.	-.1	1.5
1988 ---	1.2	-.4	.8	.2	.3	-.8	.1	1.3	.4	1.8	1.1	-1.1
1989 ---	.4	.6	-1.1	-2.0	-1.8	-.1	3.5	-1.0	12.2	-.6	-.	4.5
1990 ---	-.6	-.8	-.6	-.4	.3	4.5	-.7	-.1	-.9	.9	-2.6	6.1
<b>ELECTRONIC COMPONENTS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	11 069	11 342	11 417	11 603	11 764	11 573	11 539	11 404	11 130	11 313	11 302	11 377
1983 ---	11 744	11 830	11 997	12 373	12 684	12 601	13 495	14 037	14 129	15 004	15 180	15 515
1984 ---	16 306	17 024	17 830	18 551	19 304	19 275	19 713	19 177	18 762	18 104	17 538	16 053
1985 ---	16 243	16 305	15 728	15 399	15 012	14 371	14 422	13 772	13 343	13 147	13 067	13 706
1986 ---	13 561	13 600	13 765	13 869	13 780	13 745	13 730	13 329	12 859	12 634	12 268	12 955
1987 ---	12 372	12 587	13 113	13 580	14 025	14 189	14 682	14 698	14 727	14 958	15 192	15 401
1988 ---	15 616	16 147	16 671	16 869	16 886	16 933	16 982	16 230	15 952	15 392	14 907	14 795
1989 ---	14 576	14 752	14 563	14 869	14 458	14 454	14 422	14 282	14 208	14 223	14 144	14 244
1990 ---	14 385	14 510	14 738	14 997	15 315	14 787	14 508	14 566	14 027	13 930	13 809	13 705
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 269	11 376	11 388	11 375	11 473	11 351	11 302	11 258	11 251	11 496	11 576	11 721
1983 ---	11 960	11 890	11 963	12 147	12 356	12 368	13 161	13 860	14 292	15 253	15 557	15 979
1984 ---	16 620	17 146	17 765	18 217	18 798	18 930	19 153	18 935	18 983	18 425	17 989	16 532
1985 ---	16 580	16 445	15 644	15 115	14 619	14 105	13 973	13 620	13 491	13 396	13 419	14 107
1986 ---	13 875	13 717	13 675	13 587	13 434	13 475	13 291	13 204	12 989	12 887	12 619	13 322
1987 ---	12 671	12 688	13 016	13 278	13 692	13 898	14 224	14 582	14 873	15 256	15 635	15 816
1988 ---	16 006	16 258	16 549	16 461	16 507	16 586	16 485	16 110	16 113	15 688	15 331	15 180
1989 ---	14 940	14 846	14 456	14 498	14 147	14 165	14 020	14 183	14 352	14 485	14 533	14 606
1990 ---	14 750	14 596	14 629	14 618	14 996	14 498	14 112	14 474	14 162	14 180	14 187	14 049
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.7	.9	.1	-.1	.9	-1.1	-.4	-.4	-.1	2.2	.7	1.3
1983 ---	2.0	-.6	.6	1.5	1.7	.1	6.4	5.3	3.1	6.7	2.0	2.7
1984 ---	4.0	3.2	3.6	2.5	3.2	.7	1.2	-.1	.3	-2.9	-2.4	-8.1
1985 ---	.3	-.8	-4.9	-3.4	-3.3	-3.5	-.9	-2.5	-.9	-.7	.2	5.1
1986 ---	-1.6	-1.1	-.3	-.6	-1.1	.3	-1.4	-.7	-1.6	-.8	-2.1	5.6
1987 ---	-4.9	.1	2.6	2.0	3.1	1.5	2.3	2.5	2.0	2.6	2.5	1.2
1988 ---	1.2	1.6	1.8	-.5	.3	.5	-.6	-.3	-.	-2.6	-2.3	-1.0
1989 ---	-1.6	-.6	-2.6	.3	-2.4	.1	-1.0	1.2	1.2	.9	.3	.5
1990 ---	1.0	-1.0	.2	-.1	2.6	-3.3	-2.7	2.6	-2.2	.1	-.	-1.0

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TRANSPORTATION EQUIPMENT, TOTAL—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	121 884	123 407	125 210	125 896	123 783	122 022	121 313	118 994	118 849	120 420	119 733	126 314
1983 ---	132 201	130 127	130 443	131 685	129 668	130 674	130 754	130 123	130 727	134 854	138 045	142 281
1984 ---	144 260	146 249	153 180	153 284	151 695	150 457	151 050	148 949	148 036	147 285	149 567	152 890
1985 ---	154 237	153 009	151 252	150 211	148 485	150 784	151 269	151 907	153 285	154 125	151 020	156 992
1986 ---	160 649	161 563	166 593	165 641	163 619	159 715	159 357	156 428	157 975	157 689	159 663	161 845
1987 ---	163 064	162 971	164 748	165 818	167 568	167 837	171 225	171 426	170 108	170 648	173 297	177 133
1988 ---	182 092	185 342	186 733	189 487	187 104	189 863	192 083	194 362	196 966	200 843	203 086	211 678
1989 ---	217 186	220 036	227 562	232 290	232 493	234 267	241 804	241 758	243 055	245 464	252 585	261 228
1990 ---	263 872	263 656	269 322	270 192	270 678	268 222	269 344	267 753	269 736	273 700	272 078	277 508
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	120 808	122 011	123 849	124 665	123 535	122 355	122 069	120 560	120 599	121 221	120 867	125 878
1983 ---	130 952	128 467	128 654	129 978	129 279	131 023	131 645	131 899	132 954	136 289	139 817	141 642
1984 ---	142 607	144 122	150 633	150 911	151 227	150 958	152 168	150 977	150 557	149 160	151 555	152 203
1985 ---	152 494	150 837	148 688	147 772	147 935	151 303	152 537	154 226	155 905	156 410	152 873	156 241
1986 ---	158 714	159 234	163 716	163 047	163 092	160 394	160 693	158 728	160 272	159 910	161 187	161 195
1987 ---	161 293	160 775	162 029	163 561	167 163	168 607	172 492	173 814	171 991	172 751	174 344	176 630
1988 ---	180 522	183 265	184 055	187 422	186 742	190 598	193 336	196 833	198 567	202 689	203 850	211 360
1989 ---	215 998	218 310	224 944	230 335	232 087	234 864	242 856	244 140	244 333	246 978	253 080	261 092
1990 ---	262 947	262 112	266 934	268 607	270 322	268 782	270 384	270 094	270 891	275 001	272 465	277 502
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	2.4	1.0	1.5	.7	-.9	-1.0	-2	-1.2	-	5	-.3	4.1
1983 ---	4.0	-1.9	.1	1.0	-.5	1.3	5	2	8	2.5	2.6	1.3
1984 ---	7	1.1	4.5	2	2	-2	8	-8	-3	-9	1.6	4
1985 ---	2	-1.1	-1.4	-.6	1	2.3	8	1.1	1.1	3	-2.3	2.2
1986 ---	1.6	3	2.8	-.4	-	-1.7	2	-1.2	1.0	-2	8	-
1987 ---	1	-.3	.8	9	2.2	9	2.3	8	-1.0	4	9	1.3
1988 ---	2.2	1.5	4	1.8	-.4	2.1	1.4	1.8	9	2.1	6	3.7
1989 ---	2.2	1.1	3.0	2.4	8	1.2	3.4	.5	.1	1.1	2.5	3.2
1990 ---	7	-.3	1.8	.6	6	-.6	6	-.1	3	1.5	-.9	1.8
<b>AIRCRAFT, MISSILES, SPACE VEHICLES AND PARTS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	89 833	91 747	93 814	94 715	93 723	92 730	92 274	91 367	90 889	92 482	92 067	94 194
1983 ---	98 288	97 238	97 951	98 725	96 680	98 024	97 214	96 187	96 932	100 573	101 766	106 179
1984 ---	107 022	107 646	115 179	115 570	114 383	114 095	114 938	113 642	113 656	113 420	115 171	118 664
1985 ---	119 987	118 908	118 060	117 883	116 812	119 185	119 653	120 807	122 312	123 663	121 429	128 216
1986 ---	132 076	133 003	135 378	134 903	134 079	130 616	129 722	127 458	129 044	128 774	131 568	134 377
1987 ---	135 504	135 378	135 981	136 476	137 148	136 018	139 085	139 682	138 912	140 000	141 267	145 622
1988 ---	149 865	152 957	153 461	155 661	153 914	156 446	157 953	160 551	163 397	166 048	168 330	174 774
1989 ---	180 312	182 188	189 647	195 017	195 383	196 450	204 175	205 117	206 970	209 097	216 241	223 627
1990 ---	226 349	225 587	231 976	232 424	232 910	231 405	232 811	230 663	233 472	237 515	236 856	241 658
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	89 027	90 632	92 655	93 551	93 275	92 666	92 896	92 922	92 599	93 423	93 140	93 701
1983 ---	97 263	95 867	96 351	97 076	96 073	97 969	97 995	97 948	99 061	102 081	103 404	105 506
1984 ---	105 673	106 022	112 934	113 313	113 617	114 129	115 963	115 688	116 054	115 268	117 032	117 931
1985 ---	118 420	117 135	115 740	115 561	116 061	119 380	120 911	123 137	124 820	125 863	123 168	127 381
1986 ---	130 219	131 002	132 732	132 433	133 393	131 042	131 102	129 819	131 285	130 879	132 976	133 618
1987 ---	133 770	133 443	133 490	134 353	136 610	136 559	140 458	142 093	140 690	141 913	142 161	145 010
1988 ---	148 331	151 113	151 031	153 776	153 463	157 017	159 299	162 997	164 879	167 677	168 918	174 396
1989 ---	179 211	180 661	187 267	193 251	194 916	196 945	205 512	207 682	208 325	210 520	216 614	223 248
1990 ---	225 305	223 987	229 557	230 756	232 474	231 898	234 180	233 255	234 746	238 744	237 129	241 418
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	2.6	1.8	2.2	1.0	-.3	-.7	2	-	-.3	9	-.3	6
1983 ---	3.8	-1.4	.5	.8	-1.0	2.0	-	-	1.1	3.0	1.3	2.0
1984 ---	2	3	6.5	3	3	5	1.6	-2	.3	-.7	1.5	8
1985 ---	4	-1.1	-1.2	-.2	4	2.9	1.3	1.8	1.4	8	-2.1	3.4
1986 ---	2.2	6	1.3	-.2	7	-1.8	-	-1.0	1.1	-.3	1.6	.5
1987 ---	1	-.2	-	6	1.7	-	2.9	1.2	-1.0	9	2	2.0
1988 ---	2.3	1.9	-.1	1.8	-.2	2.3	1.5	2.3	1.2	1.7	7	3.2
1989 ---	2.8	8	3.7	3.2	9	1.0	4.3	1.1	.3	1.1	2.9	3.1
1990 ---	9	-.6	2.5	5	7	-.2	1.0	-.4	6	1.7	-.7	1.8

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
SHIPBUILDING AND TANKS—UNFILLED ORDERS												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	22 320	22 360	22 263	22 670	21 997	21 437	20 847	20 318	20 262	20 135	19 975	24 207
1983 ---	25 612	24 757	24 392	24 680	24 687	24 210	24 375	23 958	23 881	23 601	25 084	24 132
1984 ---	24 377	25 365	24 902	24 640	24 697	24 054	23 579	23 205	23 001	22 766	23 662	23 368
1985 ---	23 354	22 748	22 108	21 648	21 488	21 424	21 500	20 672	20 786	20 339	19 757	19 202
1986 ---	18 558	18 258	20 610	20 142	19 508	19 292	19 785	19 564	19 643	18 974	18 361	17 837
1987 ---	17 589	17 346	18 496	18 987	19 803	20 662	20 623	20 273	19 883	19 466	20 844	19 919
1988 ---	20 770	20 760	21 694	22 230	22 028	22 451	22 732	22 419	22 134	23 521	23 579	25 693
1989 ---	25 382	25 947	25 848	25 279	25 721	26 422	26 282	25 776	25 584	26 151	25 933	27 131
1990 ---	26 940	27 703	27 476	27 346	27 082	26 737	26 612	27 456	26 937	26 742	26 187	26 772
Seasonally Adjusted—Millions of Dollars												
1982 ---	22 419	22 459	22 292	22 638	22 016	21 523	20 839	20 247	20 174	19 964	19 889	24 365
1983 ---	25 693	24 827	24 425	24 683	24 707	24 272	24 347	23 893	23 791	23 447	24 982	24 283
1984 ---	24 466	25 438	24 951	24 666	24 716	24 105	23 528	23 124	22 914	22 662	23 575	23 474
1985 ---	23 429	22 810	22 164	21 694	21 505	21 456	20 600	20 706	20 706	20 258	19 672	19 309
1986 ---	18 647	18 334	20 686	20 217	19 528	19 314	19 702	19 440	19 523	18 880	18 277	17 952
1987 ---	17 685	17 440	18 590	19 095	19 827	20 670	20 510	20 141	19 767	19 390	20 775	20 025
1988 ---	20 876	20 850	21 781	22 316	22 044	22 445	22 650	22 323	22 056	23 476	23 551	25 755
1989 ---	25 444	26 008	25 910	25 346	25 739	26 384	26 021	25 471	25 328	26 004	25 861	27 378
1990 ---	27 209	27 969	27 753	27 654	27 129	26 683	26 303	27 096	26 657	26 592	26 124	27 014
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	2.4	2	-7	1.6	-2.7	-2.2	-3.2	-2.8	-4	-1.0	-4	22.5
1983 ---	5.5	-3.4	-1.6	1.1	.1	-1.8	.3	-1.9	-4	-1.4	6.5	-2.8
1984 ---	8	4.0	-1.9	-1.1	2	-2.5	-2.4	-1.7	-9	-1.1	4.0	-4
1985 ---	-2	-2.6	-2.8	-2.1	-9	-2	-1	-3.9	5	-2.2	-2.9	-1.8
1986 ---	-3.4	-1.7	12.8	-2.3	-3.4	-1.1	2.0	-1.3	4	-3.3	-3.2	-1.8
1987 ---	-1.5	-1.4	6.6	2.7	3.8	4.3	-8	-1.8	-1.9	7.1	-3.6	-3.6
1988 ---	4.2	-1	4.5	2.5	-1.2	1.8	9	-1.4	-1.2	6.4	.3	9.4
1989 ---	-1.2	2.2	-4	-2.2	1.6	2.5	-1.4	-2.1	-6	2.7	-5	5.9
1990 ---	-6	2.8	-8	-4	-1.9	-1.6	-1.4	3.0	-1.6	-2	-1.8	3.4
INSTRUMENTS AND RELATED PRODUCTS, TOTAL—UNFILLED ORDERS												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	30 941	31 688	33 295	34 084	33 696	34 027	34 243	34 859	35 540	35 854	36 317	37 193
1983 ---	37 931	38 485	38 624	38 932	39 210	39 328	39 532	39 571	39 802	40 027	40 011	40 651
1984 ---	41 798	42 856	44 249	44 221	45 210	45 753	46 140	47 618	48 707	49 251	49 477	50 115
1985 ---	53 358	53 640	55 204	55 724	56 382	57 498	57 715	58 106	59 492	59 697	59 450	60 171
1986 ---	61 512	62 102	63 508	63 119	63 078	63 336	63 608	63 212	64 044	64 543	63 643	63 008
1987 ---	64 068	63 798	63 483	64 477	64 006	64 542	64 782	64 575	65 480	65 686	65 749	65 737
1988 ---	65 995	66 236	65 615	63 303	64 665	63 144	62 569	61 459	61 273	60 781	61 345	63 863
1989 ---	64 095	64 619	64 057	63 756	63 219	63 578	62 784	61 546	62 955	63 318	64 653	66 051
1990 ---	66 065	65 464	65 205	64 999	64 619	64 294	63 762	62 656	62 169	62 016	61 034	60 045
Seasonally Adjusted—Millions of Dollars												
1982 ---	30 810	31 462	32 923	33 809	33 460	34 014	34 411	35 069	35 695	36 101	36 727	37 506
1983 ---	37 785	38 189	38 159	38 607	38 932	39 293	39 687	39 758	39 869	40 281	40 554	40 994
1984 ---	41 719	42 566	43 632	43 866	44 928	45 727	46 364	47 857	48 705	49 468	50 164	50 477
1985 ---	53 299	53 401	54 384	55 283	56 076	57 465	58 005	58 548	59 512	59 827	60 078	60 489
1986 ---	61 498	61 910	62 578	62 621	62 810	63 322	63 927	63 857	64 276	64 690	64 065	64 019
1987 ---	64 012	63 496	62 735	63 982	63 783	64 511	65 076	65 416	66 015	66 500	65 920	65 407
1988 ---	65 806	65 695	65 050	62 895	64 472	63 070	62 848	62 377	62 022	61 337	61 432	63 289
1989 ---	63 690	63 939	63 612	63 368	63 064	63 450	63 071	62 582	63 866	64 066	64 694	65 305
1990 ---	65 447	64 736	64 795	64 634	64 478	64 154	64 063	63 762	63 175	62 811	61 086	59 310
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	1.7	2.1	4.6	2.7	-1.0	1.7	1.2	1.9	1.8	1.1	1.7	2.1
1983 ---	7	1.1	-1	1.2	8	.9	1.0	2	.3	1.0	.7	1.1
1984 ---	18	2.0	2.5	5	2.4	1.8	1.4	3.2	1.8	1.6	1.4	.6
1985 ---	5.6	2	1.8	1.7	1.4	2.5	.9	.9	1.6	.5	.4	.7
1986 ---	1.7	.7	1.1	.1	.3	.8	1.0	-1	.7	6	-1.0	-1
1987 ---	-	-8	-1.2	2.0	-3	1.1	.9	.5	.9	1	-2	-8
1988 ---	6	-2	-1.0	-3.3	2.5	-2.2	-4	-7	-6	-1.1	2	3.0
1989 ---	6	4	-5	-4	-5	6	-6	-8	2.1	.3	1.0	.9
1990 ---	2	-1.1	1	-2	-2	-5	-1	-5	-9	-6	-2.7	-2.9

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>SEARCH AND NAVIGATION EQUIPMENT—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	22 114	22 548	23 887	24 519	24 277	24 713	24 979	25 511	26 091	26 421	26 872	27 862
1983 ---	28 364	28 716	28 771	28 919	29 118	28 765	28 764	28 740	28 914	29 200	29 215	29 722
1984 ---	30 583	31 678	32 884	32 767	33 407	33 727	34 040	35 249	36 418	36 834	36 933	37 506
1985 ---	40 482	40 718	42 362	42 742	43 462	44 335	44 381	44 736	46 249	46 541	46 389	46 736
1986 ---	47 868	48 541	50 045	49 788	49 692	50 013	50 241	49 968	50 413	50 946	50 288	50 739
1987 ---	50 606	50 434	50 077	50 966	50 552	50 702	50 594	50 380	51 088	51 449	51 607	51 465
1988 ---	51 417	51 602	50 794	48 491	49 657	47 932	47 110	46 102	45 963	45 299	45 540	47 459
1989 ---	48 073	48 809	48 077	47 775	47 141	46 995	46 246	45 097	45 547	45 754	47 275	48 612
1990 ---	48 385	47 682	47 347	47 220	47 034	46 760	46 247	45 293	44 782	44 379	43 562	42 858
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	21 941	22 308	23 507	24 251	24 040	24 723	25 203	25 777	26 259	26 654	27 234	28 114
1983 ---	28 180	28 403	28 302	28 598	28 841	28 756	28 996	29 008	29 003	29 427	29 708	30 004
1984 ---	30 470	31 369	32 267	32 409	33 122	33 723	34 347	35 556	36 444	37 023	37 561	37 801
1985 ---	40 396	40 458	41 542	42 296	43 156	44 332	44 768	45 242	46 303	46 641	46 960	46 982
1986 ---	47 824	48 318	49 114	49 282	49 424	50 037	50 659	50 664	50 691	51 067	50 643	50 672
1987 ---	50 525	50 100	49 325	50 469	50 332	50 722	51 000	51 275	51 700	51 785	51 699	51 042
1988 ---	51 193	51 024	50 222	48 088	49 467	47 916	47 485	47 061	46 784	45 832	45 550	46 774
1989 ---	47 632	48 087	47 623	47 397	46 987	46 930	46 619	46 163	46 534	46 480	47 249	47 764
1990 ---	47 730	46 912	46 928	46 868	46 893	46 677	46 619	46 426	45 856	45 153	43 555	42 039
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	2.2	1.7	5.4	3.2	-9	2.8	1.9	2.3	1.9	1.5	2.2	3.2
1983 ---	2	8	-4	1.0	8	-3	8	-	-	1.5	1.0	1.0
1984 ---	1.6	3.0	2.9	4	2.2	1.8	1.9	3.5	2.5	1.6	1.5	6
1985 ---	6.9	.2	2.7	1.8	2.0	2.7	1.0	1.1	2.3	.7	.7	-
1986 ---	1.8	1.0	1.6	3	3	1.2	1.2	-	.1	.7	-8	1
1987 ---	-3	-8	-1.5	2.3	-3	8	5	.5	.8	2	-2	-1.3
1988 ---	.3	-3	-1.6	-4.2	2.9	-3.1	-9	-9	-6	-2.0	-6	2.7
1989 ---	1.8	1.0	-1.0	-5	-9	-1	-7	-1.0	.8	-1	1.7	1.1
1990 ---	-1	-1.7	-	-1	1	-5	-1	-4	-1.2	-1.5	-3.5	-3.5
<b>MEASURING AND CONTROLLING DEVICES—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	4 720	4 889	5 029	5 097	5 019	4 967	4 918	4 961	5 036	5 023	5 017	4 918
1983 ---	5 063	5 157	5 217	5 335	5 367	5 600	5 686	5 689	5 760	5 755	5 779	5 843
1984 ---	5 972	5 931	6 023	6 089	6 296	6 423	6 413	6 563	6 544	6 640	6 719	6 762
1985 ---	6 894	6 909	6 798	6 863	6 791	6 895	6 960	6 988	6 958	6 919	6 847	7 071
1986 ---	7 079	6 992	6 967	6 852	6 848	6 792	6 736	6 683	6 869	6 865	6 735	6 661
1987 ---	6 717	6 584	6 551	6 546	6 472	6 585	6 670	6 667	6 671	6 636	6 623	6 671
1988 ---	6 814	6 901	7 021	7 051	7 178	7 274	7 427	7 438	7 416	7 586	7 802	8 103
1989 ---	8 062	7 909	8 059	8 011	8 131	8 001	8 001	8 025	8 097	8 178	8 145	8 414
1990 ---	8 406	8 431	8 431	8 431	8 406	8 347	8 305	8 255	8 115	8 212	8 171	8 136
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 720	4 889	5 029	5 097	5 019	4 967	4 918	4 961	5 036	5 023	5 017	4 918
1983 ---	5 063	5 157	5 217	5 335	5 367	5 600	5 686	5 689	5 760	5 755	5 779	5 843
1984 ---	5 972	5 931	6 023	6 089	6 296	6 423	6 413	6 563	6 544	6 640	6 719	6 762
1985 ---	6 894	6 909	6 798	6 863	6 791	6 895	6 960	6 988	6 958	6 919	6 847	7 071
1986 ---	7 079	6 992	6 967	6 852	6 848	6 792	6 736	6 683	6 869	6 865	6 735	6 661
1987 ---	6 717	6 584	6 551	6 546	6 472	6 585	6 670	6 667	6 671	6 636	6 623	6 671
1988 ---	6 814	6 901	7 021	7 051	7 178	7 274	7 427	7 438	7 416	7 586	7 802	8 103
1989 ---	8 062	7 909	8 059	8 011	8 131	8 001	8 001	8 025	8 097	8 178	8 145	8 414
1990 ---	8 406	8 431	8 431	8 431	8 406	8 347	8 305	8 255	8 115	8 212	8 171	8 136
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	8	3.6	2.9	1.4	-1.5	-1.0	-1.0	9	1.5	-3	-1	-2.0
1983 ---	2.9	1.9	1.2	2.3	6	4.3	1.5	.1	1.2	-1	4	1.1
1984 ---	2.2	-7	1.6	1.1	3.4	2.0	-2	2.3	-3	1.5	1.2	6
1985 ---	2.0	2	-1.6	1.0	-1.0	1.5	9	4	-4	-6	-1.0	3.3
1986 ---	1	-1.2	-4	-1.7	-1	-8	-8	-8	2.8	-1	-1.9	-1.1
1987 ---	8	-2.0	-5	-1	-1.1	1.7	1.3	-	1	-5	-2	7
1988 ---	2.1	1.3	1.7	4	1.8	1.3	2.1	1	3	2.3	2.8	3.9
1989 ---	-5	-1.9	1.9	-6	1.5	-1.6	-	-3	9	1.0	-4	3.3
1990 ---	-1	3	-	-	-3	-7	-5	-6	-1.7	1.2	-5	-4

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MEDICAL INSTRUMENTS AND SUPPLIES—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 369	3 494	3 597	3 650	3 598	3 565	3 533	3 568	3 626	3 620	3 620	3 552
1983 ---	3 649	3 708	3 743	3 820	3 834	3 993	4 045	4 038	4 080	4 068	4 077	4 113
1984 ---	4 218	4 203	4 283	4 344	4 506	4 613	4 621	4 744	4 746	4 831	4 904	4 952
1985 ---	5 070	5 102	5 042	5 111	5 079	5 178	5 248	5 291	5 290	5 282	5 249	5 442
1986 ---	5 499	5 484	5 516	5 478	5 527	5 536	5 544	5 556	5 765	5 819	5 768	5 762
1987 ---	5 878	5 830	5 868	5 932	5 934	6 106	6 255	6 325	6 401	6 440	6 501	6 622
1988 ---	6 694	6 707	6 754	6 711	6 764	6 784	6 858	6 800	6 712	6 799	6 925	7 123
1989 ---	6 824	6 776	6 729	6 796	6 769	7 331	7 375	7 309	8 091	8 253	8 154	7 934
1990 ---	8 172	8 270	8 287	8 179	8 032	8 096	8 161	8 079	8 127	8 346	8 221	8 061
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 369	3 494	3 597	3 650	3 598	3 565	3 533	3 568	3 626	3 620	3 620	3 552
1983 ---	3 649	3 708	3 743	3 820	3 834	3 993	4 045	4 038	4 080	4 068	4 077	4 113
1984 ---	4 218	4 203	4 283	4 344	4 506	4 613	4 621	4 744	4 746	4 831	4 904	4 952
1985 ---	5 070	5 102	5 042	5 111	5 079	5 178	5 248	5 291	5 290	5 282	5 249	5 442
1986 ---	5 499	5 484	5 516	5 478	5 527	5 536	5 544	5 556	5 765	5 819	5 768	5 762
1987 ---	5 878	5 830	5 868	5 932	5 934	6 106	6 255	6 325	6 401	6 440	6 501	6 622
1988 ---	6 694	6 707	6 754	6 711	6 764	6 784	6 858	6 800	6 712	6 799	6 925	7 123
1989 ---	6 824	6 776	6 729	6 796	6 769	7 331	7 375	7 309	8 091	8 253	8 154	7 934
1990 ---	8 172	8 270	8 287	8 179	8 032	8 096	8 161	8 079	8 127	8 346	8 221	8 061
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.9	3.7	2.9	1.5	-1.4	-9	-9	1.0	1.6	-2	-	-1.9
1983 ---	2.7	1.6	.9	2.1	.4	4.1	1.3	-2	1.0	-3	2	.9
1984 ---	2.6	-4	1.9	1.4	3.7	2.4	2	2.7	-	1.8	1.5	1.0
1985 ---	2.4	.6	-1.2	1.4	-6	1.9	1.4	.8	-	-2	-6	3.7
1986 ---	1.0	-3	.6	-7	9	2	1	2	3.8	.9	-9	-1
1987 ---	2.0	-8	.7	1.1	-	2.9	2.4	1.1	1.2	.6	.9	1.9
1988 ---	1.1	.2	.7	-6	8	3	1.1	-8	-1.3	1.3	1.9	2.9
1989 ---	-4.2	-7	-7	1.0	-4	8.3	.6	-9	10.7	2.0	-1.2	-2.7
1990 ---	3.0	1.2	.2	-1.3	-1.8	8	8	-1.0	.6	2.7	-1.5	-1.9
<b>ALL OTHER DURABLE GOODS INDUSTRIES—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	5 396	5 591	6 165	6 218	6 359	6 228	6 306	6 215	5 932	5 476	4 907	4 492
1983 ---	4 656	4 840	5 329	5 833	6 289	6 435	6 911	6 972	6 550	6 501	6 033	5 521
1984 ---	6 115	6 614	7 093	7 863	8 187	7 630	8 183	7 818	7 097	6 495	5 676	5 420
1985 ---	6 762	7 218	7 762	7 827	7 731	7 419	7 501	7 047	6 371	5 763	5 259	4 943
1986 ---	5 770	5 987	6 400	6 739	6 893	6 741	6 847	6 772	6 434	6 073	5 814	5 548
1987 ---	6 207	6 480	7 297	7 356	7 561	7 482	7 697	7 633	7 465	7 556	7 152	6 463
1988 ---	7 024	7 544	7 744	8 152	8 169	7 909	7 872	7 845	7 536	7 077	6 637	6 249
1989 ---	7 170	7 406	8 061	8 478	8 454	8 138	8 331	8 023	7 810	7 511	6 997	6 488
1990 ---	6 818	6 877	7 330	7 712	7 978	7 720	7 984	7 845	7 634	7 207	6 858	6 307
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 013	5 913	6 141	5 789	5 821	5 829	5 717	5 685	5 832	5 714	5 565	5 609
1983 ---	5 251	5 112	5 281	5 451	5 731	6 005	6 252	6 381	6 467	6 834	6 837	6 779
1984 ---	6 927	6 992	6 882	7 123	7 297	7 002	7 313	7 163	7 052	6 876	6 341	6 587
1985 ---	7 728	7 615	7 326	7 073	6 916	6 796	6 734	6 522	6 350	6 074	5 863	5 896
1986 ---	6 397	6 250	6 092	6 184	6 241	6 268	6 228	6 343	6 397	6 417	6 583	6 666
1987 ---	6 774	6 736	6 999	6 873	6 948	7 074	7 102	7 214	7 369	7 874	8 014	7 619
1988 ---	7 608	7 875	7 458	7 568	7 495	7 471	7 272	7 422	7 432	7 324	7 291	7 357
1989 ---	7 849	7 769	7 794	7 866	7 740	7 680	7 693	7 594	7 722	7 831	7 763	7 660
1990 ---	7 480	7 224	7 184	7 246	7 370	7 345	7 424	7 423	7 529	7 469	7 678	7 443
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	1.4	-1.7	3.9	-5.7	.6	.1	-1.9	-6	2.6	-2.0	-2.6	.8
1983 ---	-6.4	-2.6	3.3	3.2	5.1	4.8	4.1	2.1	1.3	5.7	-	-8
1984 ---	2.2	.9	-1.6	3.5	2.4	-4.0	4.4	-2.1	-1.5	-2.5	-7.8	3.9
1985 ---	17.3	-1.5	-3.8	-3.5	-2.2	-1.7	-9	-3.1	-2.6	-4.3	-3.5	.6
1986 ---	8.5	-2.3	-2.5	1.5	.9	.4	-6	1.8	.9	.3	2.6	1.3
1987 ---	1.6	-6	3.9	-1.8	1.1	1.8	4	1.6	2.1	6.9	1.8	-4.9
1988 ---	-1	3.5	-5.3	1.5	-1.0	-3	-2.7	2.1	1	-1.5	-5	.9
1989 ---	6.7	-1.0	.3	.9	-1.6	-8	2	-1.3	1.7	1.4	-9	-1.3
1990 ---	-2.3	-3.4	-6	.9	1.7	-3	1.1	-	1.4	-8	2.8	-3.1

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	11 761	11 325	11 296	11 386	11 164	10 795	10 603	10 505	10 578	10 442	10 479	10 782
1983 ---	11 153	11 319	12 013	12 508	12 791	12 914	13 334	13 578	13 843	13 871	13 735	13 721
1984 ---	14 365	14 853	14 898	15 068	15 073	14 734	15 063	14 445	14 087	13 696	13 310	13 398
1985 ---	13 844	13 872	13 948	14 030	14 150	14 204	14 665	14 415	14 481	14 451	14 002	14 503
1986 ---	14 824	15 112	15 360	15 714	15 860	15 696	15 929	15 693	16 168	16 169	15 999	16 164
1987 ---	16 945	18 108	19 058	19 795	19 680	19 953	21 116	21 243	21 331	21 369	20 826	20 741
1988 ---	21 082	21 570	21 812	21 632	21 487	21 486	22 109	22 049	21 920	21 405	21 180	21 132
1989 ---	21 451	21 550	22 138	21 943	21 831	22 228	22 267	22 339	22 177	21 352	20 731	20 542
1990 ---	20 716	20 951	21 652	21 608	21 441	21 325	21 019	21 584	21 450	20 757	20 165	19 941
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 616	11 316	11 209	11 110	10 920	10 744	10 460	10 440	10 581	10 553	10 848	11 083
1983 ---	11 207	11 338	11 921	12 216	12 522	12 870	13 096	13 479	13 847	14 014	14 236	14 151
1984 ---	14 525	14 934	14 746	14 710	14 739	14 632	14 696	14 305	14 067	13 834	13 849	13 873
1985 ---	14 011	13 904	13 770	13 716	13 892	14 127	14 282	14 236	14 430	14 612	14 551	15 066
1986 ---	15 054	15 133	15 120	15 350	15 607	15 605	15 513	15 497	16 081	16 325	16 599	16 790
1987 ---	17 238	18 152	18 721	19 360	19 406	19 872	20 593	20 905	21 132	21 535	21 572	21 695
1988 ---	21 587	21 668	21 421	21 185	21 264	21 344	21 593	21 640	21 640	21 563	21 866	21 965
1989 ---	21 962	21 663	21 739	21 526	21 646	22 115	21 829	21 922	21 879	21 517	21 372	21 343
1990 ---	21 262	21 090	21 276	21 228	21 287	21 191	20 620	21 131	21 092	20 932	20 842	20 820
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-2	-4.2	-9	-9	-1.7	-1.6	-2.6	-2	1.4	-3	2.8	2.2
1983 ---	1.1	1.2	5.1	2.5	2.5	2.8	1.8	2.9	2.7	1.2	1.6	-6
1984 ---	2.6	2.8	-1.3	-2	2	-7	4	-2.7	-1.7	-1.7	1	2
1985 ---	1.0	-8	-1.0	-4	1.3	1.1	1.1	-3	1.4	1.3	-4	3.5
1986 ---	-1	5	-1	1.5	1.7	-	-6	-1	3.8	1.5	1.7	1.2
1987 ---	2.7	5.3	3.1	3.4	2	2.4	3.6	1.5	1.1	1.9	2	6
1988 ---	-5	4	-1.1	-1.1	4	4	1.2	2	-	-4	1.4	5
1989 ---	-	-1.4	4	-1.0	6	2.2	-1.3	4	-2	-1.7	-7	-1
1990 ---	-4	-8	.9	-2	3	-5	-2.7	2.5	-2	-8	-4	-1
<b>AUTOMOTIVE EQUIPMENT—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	1 821	1 747	1 727	1 621	1 531	1 483	1 554	1 411	1 499	1 524	1 511	1 580
1983 ---	1 671	1 662	1 637	1 674	1 675	1 718	1 856	2 039	2 013	2 185	2 279	2 425
1984 ---	2 559	2 626	2 564	2 567	2 482	2 414	2 476	2 404	2 286	2 224	2 132	2 181
1985 ---	2 207	2 282	2 233	2 160	2 065	2 073	2 077	2 170	2 152	2 134	2 080	2 033
1986 ---	2 119	2 201	2 249	2 227	2 121	2 099	2 143	2 072	2 068	2 187	2 170	2 154
1987 ---	2 223	2 284	2 259	2 274	2 250	2 353	2 377	2 381	2 380	2 345	2 343	2 393
1988 ---	2 322	2 383	2 384	2 381	2 295	2 242	2 282	2 236	2 199	2 202	2 190	2 208
1989 ---	2 218	2 249	2 260	2 203	2 087	2 081	2 084	2 025	1 990	1 959	1 985	2 020
1990 ---	2 049	2 044	2 019	2 073	2 094	1 990	2 005	1 986	1 956	1 923	1 858	1 837
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 749	1 673	1 682	1 614	1 567	1 546	1 581	1 424	1 522	1 529	1 541	1 563
1983 ---	1 612	1 592	1 594	1 662	1 715	1 788	1 882	2 050	2 047	2 198	2 328	2 406
1984 ---	2 483	2 513	2 498	2 540	2 548	2 499	2 502	2 410	2 323	2 246	2 176	2 173
1985 ---	2 162	2 192	2 177	2 128	2 103	2 133	2 087	2 175	2 184	2 160	2 122	2 033
1986 ---	2 092	2 124	2 193	2 189	2 150	2 145	2 144	2 077	2 096	2 222	2 212	2 158
1987 ---	2 205	2 218	2 210	2 227	2 313	2 396	2 373	2 396	2 419	2 391	2 388	2 400
1988 ---	2 352	2 323	2 320	2 329	2 311	2 274	2 275	2 253	2 234	2 246	2 233	2 215
1989 ---	2 198	2 202	2 202	2 152	2 098	2 106	2 075	2 043	2 022	1 998	2 025	2 026
1990 ---	2 028	2 009	1 970	2 027	2 104	2 012	1 997	2 001	1 955	1 955	1 894	1 843
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	4	-4.3	.5	-4.0	-2.9	-1.3	2.3	-9.9	6.9	5	8	1.4
1983 ---	3.1	-1.2	1	4.3	3.2	4.3	5.3	8.9	-1	7.4	5.9	3.4
1984 ---	3.2	1.2	-6	1.7	3	-1.9	1	-3.7	-3.6	-3.3	-3.1	-1
1985 ---	-5	1.4	-7	-2.3	-1.2	1.4	-2.2	4.2	-4	-11.7	-1.8	-4.2
1986 ---	2.9	1.5	3.2	-2	-1.8	-2	-3.1	-3.1	9	6.0	-5	-2.4
1987 ---	2.2	1.5	-4	8	3.9	3.6	-1.0	-1.0	1.0	-1.2	-1	-5
1988 ---	-2.0	-1.2	-1	4	-8	-1.6	-	-1.0	-8	5	-6	-8
1989 ---	-8	-	-	-2.3	-2.5	4	-1.5	-1.5	-1.0	-1.2	1.4	-
1990 ---	1	-9	-1.9	2.9	3.8	-4.4	-7	2	-8	-1.5	-3.1	-2.7

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOME GOODS AND APPAREL—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	4 848	4 811	5 345	5 481	5 888	5 951	5 995	5 882	5 422	4 870	4 653	4 608
1983 ---	4 967	5 290	5 570	5 893	6 640	6 729	7 278	7 554	6 936	6 280	5 845	5 769
1984 ---	6 522	7 301	7 797	8 461	9 239	8 624	9 081	8 971	8 052	6 811	5 686	5 572
1985 ---	7 153	7 716	8 198	8 167	8 375	8 230	8 492	8 311	7 633	6 862	5 971	5 745
1986 ---	6 870	6 988	7 596	7 799	8 095	7 744	7 863	7 946	7 743	7 148	6 600	5 969
1987 ---	6 802	7 527	8 367	8 508	8 700	8 256	8 856	8 826	8 604	8 350	7 826	7 148
1988 ---	8 177	9 038	9 085	9 191	8 985	8 797	8 863	8 712	8 356	7 618	7 002	6 598
1989 ---	7 919	8 205	8 796	8 995	8 929	8 579	8 828	8 514	8 229	7 767	7 113	6 765
1990 ---	7 605	7 928	8 118	8 250	8 343	8 252	8 471	8 597	8 642	7 884	7 521	6 993
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 514	5 123	5 392	5 219	5 348	5 448	5 301	5 194	5 190	5 214	5 550	5 783
1983 ---	5 591	5 582	5 563	5 661	6 014	6 203	6 468	6 652	6 653	6 796	6 949	7 136
1984 ---	7 301	7 660	7 624	7 904	8 202	7 912	8 051	7 940	7 724	7 345	6 652	6 905
1985 ---	8 086	8 053	7 740	7 579	7 460	7 583	7 593	7 521	7 415	7 337	6 879	7 000
1986 ---	7 489	7 152	7 227	7 387	7 344	7 271	7 133	7 295	7 544	7 645	7 673	7 386
1987 ---	7 343	7 605	7 923	8 030	8 016	7 847	8 122	8 207	8 378	8 826	9 077	8 783
1988 ---	8 771	9 086	8 577	8 554	8 271	8 342	8 149	8 167	8 181	8 042	8 002	8 082
1989 ---	8 525	8 200	8 284	8 377	8 245	8 119	8 120	8 018	8 110	8 298	8 257	8 328
1990 ---	8 168	7 862	7 692	7 733	7 788	7 873	7 851	8 110	8 493	8 403	8 790	8 586
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-2.7	-7.1	5.3	-3.2	2.5	1.9	-2.7	-2.0	-1	.5	6.4	4.2
1983 ---	-3.3	-2	-3	1.6	6.2	3.1	4.3	2.8	-	2.1	2.3	2.7
1984 ---	2.3	4.9	-5	3.7	3.8	-3.5	1.8	-1.4	-2.7	-4.9	-9.4	3.8
1985 ---	17.1	-4	-3.9	-2.1	-1.6	1.6	.1	-9	-1.4	-1.1	-6.2	1.8
1986 ---	7.0	-4.5	1.0	2.2	-6	-1.0	-1.9	2.3	3.4	1.3	.4	-3.7
1987 ---	-6	3.6	4.2	1.4	-2	-2.1	3.5	1.0	2.1	5.3	2.8	-3.2
1988 ---	-1	3.6	-5.6	-3	-3.3	.9	-2.3	.2	.2	-1.7	-5	1.0
1989 ---	5.5	-3.8	1.0	1.1	-1.6	-1.5	-	-1.3	1.1	2.3	-5	.9
1990 ---	-1.9	-3.7	-2.2	.5	.7	1.1	-3	3.3	4.7	-1.1	4.6	-2.3
<b>CONSUMER STAPLES—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	1 204	1 168	1 155	1 129	1 064	1 052	1 024	1 058	1 096	1 101	1 039	1 103
1983 ---	1 181	1 123	1 115	1 118	1 080	1 045	1 069	1 072	1 123	1 088	1 024	1 025
1984 ---	1 066	1 095	1 005	1 010	997	1 036	1 019	1 012	1 046	1 029	999	1 071
1985 ---	1 120	1 150	1 060	1 034	1 078	1 082	1 099	1 039	1 119	1 119	1 101	1 176
1986 ---	1 231	1 270	1 300	1 251	1 253	1 182	1 202	1 173	1 187	1 177	1 141	1 178
1987 ---	1 236	1 223	1 231	1 249	1 184	1 150	1 185	1 212	1 184	1 155	1 143	1 167
1988 ---	1 142	1 273	1 305	1 328	1 277	1 261	1 314	1 291	1 292	1 322	1 333	1 457
1989 ---	1 422	1 320	1 333	1 291	1 359	1 440	1 403	1 452	1 430	1 381	1 411	1 461
1990 ---	1 404	1 362	1 368	1 339	1 237	1 294	1 303	1 354	1 355	1 307	1 306	1 322
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 139	1 114	1 142	1 120	1 083	1 084	1 037	1 062	1 075	1 102	1 095	1 139
1983 ---	1 116	1 067	1 107	1 108	1 095	1 076	1 081	1 082	1 109	1 089	1 077	1 047
1984 ---	1 011	1 043	997	1 005	1 067	1 067	1 029	1 026	1 039	1 033	1 050	1 082
1985 ---	1 072	1 099	1 051	1 014	1 081	1 116	1 110	1 059	1 116	1 128	1 152	1 178
1986 ---	1 184	1 223	1 296	1 219	1 255	1 223	1 215	1 194	1 186	1 192	1 188	1 168
1987 ---	1 196	1 188	1 217	1 216	1 186	1 185	1 199	1 230	1 184	1 172	1 180	1 145
1988 ---	1 113	1 247	1 290	1 296	1 287	1 301	1 333	1 300	1 288	1 347	1 363	1 420
1989 ---	1 391	1 302	1 319	1 265	1 377	1 490	1 428	1 453	1 422	1 409	1 435	1 420
1990 ---	1 375	1 350	1 358	1 313	1 254	1 330	1 326	1 353	1 344	1 333	1 324	1 283
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	2.3	-2.2	2.5	-1.9	-3.3	1	-4.3	2.4	1.2	2.5	-6	4.0
1983 ---	-2.0	-4.4	3.7	1	-1.2	-1.7	5	.1	2.5	-1.8	-1.1	-2.8
1984 ---	-3.4	3.2	-4.4	-	8	6.2	-3.6	-3	1.3	-6	1.6	3.0
1985 ---	-9	2.5	-4.4	-3.5	6.6	3.2	-5	-4.6	5.4	1.1	2.1	2.3
1986 ---	.5	3.3	5.2	-5.2	3.0	-2.5	-7	-1.7	-7	.5	-3	-1.7
1987 ---	2.4	-7	2.4	-1	-2.5	-1	1.2	2.6	-3.7	-1.0	7	-3.0
1988 ---	-2.8	12.0	3.4	5	-7	1.1	2.5	-2.5	-9	4.6	1.2	4.2
1989 ---	-2.0	-6.4	1.3	-4.1	8.9	8.2	-4.2	1.8	-2.1	-9	1.8	-1.0
1990 ---	-3.2	-1.8	6	-3.3	-4.5	6.1	-3	2.0	-7	-8	-7	-3.1

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MACHINERY AND EQUIPMENT—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	128 893	127 678	126 697	126 256	122 316	119 518	117 780	114 523	112 639	111 973	110 146	108 523
1983 ---	108 819	106 209	104 674	104 288	103 543	103 182	102 346	102 079	102 547	104 639	104 262	102 891
1984 ---	105 239	107 004	108 336	108 904	111 219	111 680	112 961	112 603	111 184	110 932	110 118	107 903
1985 ---	108 192	110 302	110 575	109 896	108 883	109 237	108 653	107 854	109 347	110 042	108 162	110 280
1986 ---	110 811	111 714	111 393	110 384	109 666	109 038	108 412	107 324	107 408	107 805	107 795	108 153
1987 ---	109 751	110 634	110 176	110 828	114 106	116 267	119 156	120 197	119 852	120 558	122 061	124 598
1988 ---	128 782	132 582	133 968	136 036	135 650	137 370	141 006	145 563	147 250	148 013	151 337	157 597
1989 ---	164 056	168 715	171 793	177 005	179 579	184 680	190 278	190 901	193 571	194 440	197 696	205 619
1990 ---	209 489	208 758	213 194	213 972	214 629	214 622	218 473	217 334	218 750	223 732	222 859	228 329
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	128 617	127 194	126 285	125 539	121 806	119 265	117 597	114 574	113 048	112 491	110 732	109 203
1983 ---	108 711	105 912	104 412	103 768	103 058	102 878	102 154	102 072	102 877	105 111	104 816	103 637
1984 ---	105 267	106 747	108 094	108 362	110 645	111 261	112 741	112 560	111 482	111 412	110 644	108 674
1985 ---	108 327	110 053	110 373	109 425	108 320	108 842	108 414	107 784	109 597	110 504	108 620	111 036
1986 ---	110 988	111 466	111 171	109 995	109 209	108 779	108 181	107 171	107 537	108 196	108 146	108 850
1987 ---	109 923	110 433	110 035	110 523	113 671	116 091	118 902	120 030	120 006	121 028	122 433	125 235
1988 ---	128 894	132 366	133 779	135 611	135 192	137 272	140 816	145 445	147 498	148 552	151 750	158 166
1989 ---	164 058	168 436	171 552	176 475	179 109	184 594	189 938	190 621	193 683	194 865	198 043	206 341
1990 ---	209 704	208 718	213 220	213 725	214 208	214 527	218 066	216 955	218 792	224 088	223 166	229 017
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.2	-1.1	-.7	-.6	-3.0	-2.1	-1.4	-2.6	-1.3	-.5	-1.6	-1.4
1983 ---	-.5	-2.6	-1.4	-.6	-.7	-.2	-.7	-.1	.8	2.2	-.3	-.1
1984 ---	1.6	1.4	1.3	.2	2.1	.6	1.3	-.2	-1.0	-.1	-.7	-1.8
1985 ---	-.3	1.6	.3	-.9	-1.0	.5	-.4	-.6	1.7	.8	-1.7	2.2
1986 ---	-.1	.4	-.3	-1.1	-.7	-.4	-.5	-.9	.3	.6	-.1	.7
1987 ---	1.0	.5	-.4	.4	2.8	2.1	2.4	-.9	-.9	.9	1.2	2.3
1988 ---	2.9	2.7	1.1	1.4	-.3	1.5	2.6	3.3	1.4	.7	2.2	4.2
1989 ---	3.7	2.7	1.8	2.9	1.5	3.1	2.9	.4	1.6	.6	1.6	4.2
1990 ---	1.6	-.5	2.2	.2	.2	.1	1.6	-.5	.8	2.4	-.4	2.6
<b>BUSINESS SUPPLIES—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	5 901	5 911	6 043	5 891	5 745	5 592	5 481	5 494	5 437	5 265	5 092	5 054
1983 ---	5 138	5 110	5 168	5 165	5 134	5 164	5 271	5 332	5 311	5 157	5 078	5 056
1984 ---	5 121	5 272	5 176	5 208	5 185	5 279	5 291	5 296	5 199	5 056	5 021	5 051
1985 ---	5 210	5 277	5 196	5 127	5 187	5 163	5 264	5 185	5 144	5 066	5 002	5 080
1986 ---	5 244	5 372	5 344	5 202	5 168	5 108	5 190	5 096	5 197	5 095	5 026	5 026
1987 ---	5 160	5 342	5 404	5 370	5 270	5 373	5 716	5 876	5 894	5 843	5 847	5 859
1988 ---	5 934	6 050	6 040	6 079	6 120	6 099	6 336	6 475	6 559	6 428	6 416	6 367
1989 ---	6 322	6 206	6 277	6 262	6 198	6 189	6 207	6 161	6 092	5 994	6 019	5 864
1990 ---	5 920	5 886	6 056	6 065	6 068	6 013	6 115	6 366	6 268	6 096	6 010	5 878
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 892	5 839	5 984	5 808	5 699	5 586	5 424	5 407	5 423	5 355	5 217	5 206
1983 ---	5 130	5 035	5 122	5 116	5 107	5 168	5 207	5 243	5 306	5 241	5 204	5 208
1984 ---	5 120	5 188	5 129	5 171	5 169	5 296	5 222	5 211	5 189	5 132	5 146	5 167
1985 ---	5 197	5 181	5 149	5 108	5 196	5 201	5 197	5 107	5 126	5 125	5 118	5 168
1986 ---	5 225	5 277	5 296	5 188	5 151	5 172	5 132	5 031	5 166	5 138	5 124	5 103
1987 ---	5 147	5 267	5 356	5 354	5 301	5 456	5 657	5 790	5 832	5 865	5 925	5 950
1988 ---	5 951	5 991	5 993	6 062	6 170	6 206	6 275	6 356	6 455	6 430	6 480	6 468
1989 ---	6 373	6 185	6 236	6 236	6 233	6 294	6 150	6 043	5 990	5 993	6 072	5 943
1990 ---	5 978	5 892	6 022	6 043	6 099	6 114	6 059	6 237	6 151	6 089	6 056	5 982
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	1.7	-.9	2.5	-2.9	-1.9	-2.0	-2.9	-.3	.3	-1.3	-2.6	-.2
1983 ---	-1.5	-1.9	1.7	-.1	-.2	1.2	.8	.7	1.2	-1.2	-.7	.1
1984 ---	-1.7	1.3	-1.1	-.8	-.2	2.5	-1.4	-.2	-.4	-1.1	.3	.4
1985 ---	.6	-.3	-.6	-.8	1.7	.1	-.1	-1.7	.4	-.1	-.1	1.0
1986 ---	1.1	1.0	.4	-2.0	.1	-.4	-.8	-2.0	2.7	-.5	-.3	-.4
1987 ---	.9	2.3	1.7	-.1	-1.0	2.9	3.7	2.4	.7	.6	1.0	.4
1988 ---	-.1	.7	-.1	1.2	1.8	.6	1.1	1.3	1.6	-.4	.8	-.2
1989 ---	-1.5	-2.9	.8	-.1	-.1	1.0	-2.3	-1.7	-.9	.1	1.3	-2.1
1990 ---	.6	-1.4	2.2	.3	.9	.2	-.9	2.9	-1.4	-1.0	-.5	-1.2

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CONSTRUCTION MATERIALS AND SUPPLIES—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	14 637	14 506	14 754	14 464	14 240	13 900	13 775	13 382	13 203	12 828	12 342	11 634
1983 ---	11 794	12 016	12 561	12 556	12 483	12 554	12 555	12 646	12 557	12 504	12 490	12 294
1984 ---	12 591	12 985	13 358	13 415	13 444	13 236	13 251	13 491	13 158	12 880	12 849	12 735
1985 ---	12 938	13 245	13 338	13 462	13 454	13 285	13 217	13 187	13 241	13 089	12 768	12 781
1986 ---	13 024	13 633	13 607	13 541	13 572	13 578	13 652	13 634	13 523	13 192	13 162	13 397
1987 ---	13 369	13 595	13 631	13 614	13 671	13 590	13 710	13 858	13 752	13 613	13 676	13 924
1988 ---	14 263	14 566	14 943	14 746	14 797	14 755	14 642	14 642	14 419	14 299	14 271	14 287
1989 ---	14 478	14 645	14 558	14 522	14 499	14 230	13 339	13 474	12 977	12 764	12 588	12 867
1990 ---	13 044	12 924	12 927	13 018	12 977	12 872	12 926	12 862	12 974	12 720	12 374	12 405
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 901	14 553	14 524	14 210	13 981	13 695	13 611	13 290	13 228	13 019	12 580	11 982
1983 ---	12 036	12 035	12 342	12 325	12 247	12 380	12 411	12 569	12 597	12 730	12 763	12 675
1984 ---	12 821	12 944	13 085	13 135	13 184	13 068	13 119	13 415	13 212	13 134	13 139	13 105
1985 ---	13 154	13 174	13 077	13 197	13 200	13 132	13 109	13 125	13 321	13 378	13 076	13 109
1986 ---	13 192	13 506	13 333	13 281	13 331	13 433	13 563	13 589	13 637	13 500	13 480	13 672
1987 ---	13 487	13 452	13 375	13 361	13 434	13 459	13 644	13 842	13 902	13 966	14 031	14 153
1988 ---	14 331	14 392	14 664	14 477	14 544	14 611	14 578	14 648	14 591	14 681	14 643	14 484
1989 ---	14 521	14 473	14 291	14 265	14 254	14 090	13 281	13 489	13 129	13 095	12 911	13 024
1990 ---	13 080	12 787	12 703	12 791	12 756	12 742	12 874	12 881	13 128	13 052	12 694	12 550
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-2.1	-2.3	-2	-2.2	-1.6	-2.0	-6	-2.4	-5	-1.6	-3.4	-4.8
1983 ---	.5	-	2.6	-1	-6	1.1	.3	1.3	.2	1.1	.3	-7
1984 ---	1.2	1.0	1.1	.4	.4	-9	.4	2.3	-1.5	-6	-	-3
1985 ---	.4	2	-7	.9	-	-5	-2	.1	1.5	.4	-2.3	.3
1986 ---	6	2.4	-1.3	-4	4	.8	1.0	.2	.4	-1.0	-1	1.4
1987 ---	-1.4	-3	-6	-1	5	2	1.4	1.5	.4	.5	.5	.9
1988 ---	1.3	.4	1.9	-1.3	.5	.5	-2	.5	.4	.6	-3	-1.1
1989 ---	.3	-3	-1.3	-2	-1	-1.2	-5.7	1.6	-2.7	-3	-1.4	.9
1990 ---	.4	-2.2	-7	.7	-3	-1	1.0	.1	1.9	-6	-2.7	-1.1
<b>DEFENSE PRODUCTS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	75 697	78 426	81 120	83 006	82 855	83 047	82 376	82 354	82 687	84 887	85 439	92 523
1983 ---	97 495	98 114	99 861	101 765	101 094	101 940	101 862	100 423	101 936	104 372	107 378	111 984
1984 ---	113 318	115 303	122 900	122 091	121 204	120 449	119 875	119 961	122 333	122 869	126 837	131 305
1985 ---	136 349	135 501	136 921	137 029	137 177	139 125	139 656	140 561	142 189	142 212	141 789	145 236
1986 ---	148 926	149 641	154 766	154 094	152 570	150 392	150 106	148 090	149 929	148 395	149 864	151 795
1987 ---	151 477	150 447	151 686	153 082	152 321	151 718	151 562	150 699	151 501	152 042	153 798	154 969
1988 ---	155 562	156 118	155 935	153 819	153 559	152 447	150 556	147 537	147 668	149 391	149 705	153 993
1989 ---	154 008	153 790	156 190	155 459	152 536	150 668	149 746	147 092	149 595	150 105	154 650	156 422
1990 ---	155 921	155 868	156 005	154 537	153 472	151 426	149 109	146 603	147 100	145 801	143 813	143 679
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	74 785	77 090	79 602	81 646	82 144	83 007	83 255	84 242	84 530	85 980	86 776	92 248
1983 ---	96 323	96 431	97 831	99 903	100 181	101 913	102 945	102 531	104 131	106 018	109 317	111 507
1984 ---	111 852	113 353	120 097	119 645	120 157	120 547	121 317	122 407	124 735	124 840	129 091	130 721
1985 ---	134 624	133 412	133 828	134 453	136 140	139 422	141 448	143 498	144 718	144 473	143 893	144 423
1986 ---	146 887	147 332	151 260	151 368	151 676	150 978	152 062	151 259	152 411	150 614	151 457	150 661
1987 ---	149 473	148 074	148 517	150 720	151 653	152 436	153 485	154 106	153 860	154 313	154 678	153 557
1988 ---	153 570	153 577	152 992	151 794	153 053	153 189	152 405	151 029	149 944	151 627	150 233	152 485
1989 ---	152 169	151 395	153 457	153 608	152 104	151 304	151 560	150 778	151 871	152 317	154 926	154 711
1990 ---	153 908	153 338	153 266	152 807	153 121	152 052	150 937	150 373	149 368	147 885	144 010	142 161
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	3.5	3.1	3.3	2.6	6	1.1	3	1.2	.3	1.7	.9	6.3
1983 ---	4.4	1	1.5	2.1	.3	1.7	10	-4	1.6	1.8	3.1	2.0
1984 ---	3	1.3	5.9	-4	4	.3	6	.9	1.9	1	3.4	1.3
1985 ---	3.0	-9	.3	5	1.3	2.4	15	1.4	.9	-2	-4	.4
1986 ---	1.7	.3	2.7	1	2	-5	.7	-5	.8	-1.2	.6	-5
1987 ---	-8	-9	.3	1.5	6	5	.7	.4	-2	.3	.2	-7
1988 ---	-	-	-4	-8	8	.1	-5	-9	-7	1.1	-9	1.5
1989 ---	-2	-5	1.4	1	-10	-5	2	-5	.7	.3	1.7	-1
1990 ---	-5	-4	-	-3	2	-7	-7	-4	-7	-1.0	-2.6	-1.3

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>OTHER MATERIALS, SUPPLIES, AND INTERMEDIATE PRODUCTS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	95 171	94 055	93 457	92 200	90 520	87 914	87 084	85 187	84 262	83 424	82 805	83 608
1983 ---	85 593	88 148	89 709	90 477	90 754	91 705	93 887	95 910	96 393	98 983	100 351	102 035
1984 ---	106 648	109 883	112 265	113 811	113 412	111 024	111 995	110 747	108 578	106 259	104 582	104 026
1985 ---	105 487	106 499	106 088	105 210	103 518	102 982	102 987	102 838	101 828	101 403	100 090	101 534
1986 ---	103 422	105 785	106 763	105 605	103 585	102 106	101 858	101 177	101 236	101 001	100 728	102 756
1987 ---	103 673	105 156	107 844	109 750	109 815	111 168	113 846	114 496	114 885	115 738	115 469	117 127
1988 ---	120 395	122 485	124 072	125 095	125 431	125 244	126 662	126 924	126 552	126 469	125 589	126 487
1989 ---	128 870	130 638	132 078	132 130	130 458	129 680	130 575	128 973	127 739	126 203	126 230	126 804
1990 ---	128 646	129 573	130 975	132 554	133 009	130 759	130 931	130 115	128 781	127 407	125 196	123 629
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	94 605	92 687	91 650	90 544	89 652	87 965	87 038	85 448	85 264	84 790	84 614	84 769
1983 ---	85 313	87 003	87 918	88 758	89 799	91 754	93 700	96 111	97 586	100 710	102 809	103 694
1984 ---	106 460	108 490	109 850	111 436	112 112	110 897	111 519	110 834	109 827	108 042	107 072	105 780
1985 ---	105 598	105 380	103 959	103 098	102 375	102 821	102 503	102 960	102 992	103 104	102 394	103 294
1986 ---	103 687	104 677	104 583	103 472	102 507	101 825	101 200	101 249	102 336	102 647	102 996	104 631
1987 ---	104 059	104 149	105 704	107 496	108 598	110 822	113 032	114 623	116 195	117 848	118 183	119 366
1988 ---	120 860	121 305	121 628	122 545	123 935	124 559	125 611	127 043	127 885	128 766	128 466	128 903
1989 ---	129 390	129 478	129 647	129 634	128 894	128 930	129 488	129 400	128 873	128 180	128 713	129 044
1990 ---	129 235	128 724	128 896	130 358	131 571	130 045	129 870	130 160	129 880	129 359	127 640	125 773
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-1.8	-2.0	-1.1	-1.2	-1.0	-1.9	-1.1	-1.8	-2	-6	-2	2
1983 ---	6	2.0	1.1	1.0	1.2	2.2	2.1	2.6	1.5	3.2	2.1	9
1984 ---	2.7	1.9	1.3	1.4	6	-1.1	-6	-6	-9	-1.6	-9	-1.2
1985 ---	-2	-2	-1.3	-8	-7	-4	-3	-4	-	1	-7	9
1986 ---	4	1.0	-1	-1.1	-9	-7	-6	-	1.1	3	3	1.6
1987 ---	-5	.1	1.5	1.7	1.0	2.0	2.0	1.4	1.4	1.4	3	1.0
1988 ---	13	.4	.3	.8	1.1	.5	.8	1.1	7	7	-2	.3
1989 ---	4	1	1	-	-6	-	4	-3	-1	-5	4	.3
1990 ---	1	-4	1	1.1	.9	-1.2	-1	2	-2	-4	-1.3	-1.5
<b>NONDEFENSE CAPITAL GOODS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	142 503	140 762	139 474	139 069	134 908	131 602	129 575	126 134	123 807	123 539	121 678	120 587
1983 ---	120 797	117 958	115 969	115 457	114 860	114 200	112 821	112 427	113 224	115 742	115 083	113 779
1984 ---	116 227	118 088	119 690	120 437	122 427	122 662	123 828	123 553	122 431	122 123	121 085	118 901
1985 ---	118 937	121 488	121 746	120 550	119 070	119 094	118 426	117 908	119 472	120 342	118 479	120 025
1986 ---	120 498	121 692	121 577	120 160	119 040	117 933	117 141	116 218	116 308	116 810	117 087	117 844
1987 ---	119 355	120 199	119 664	120 566	123 769	125 849	129 165	130 433	130 023	131 192	133 036	135 645
1988 ---	140 975	145 067	146 155	148 632	148 262	150 370	154 037	160 366	162 890	164 320	167 485	173 252
1989 ---	180 754	185 651	189 141	194 459	197 084	201 766	209 421	210 265	212 227	213 361	217 936	226 127
1990 ---	230 191	229 720	233 913	235 290	235 945	235 708	240 107	239 371	240 953	245 422	244 481	249 844
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	142 011	140 182	139 029	138 324	134 454	131 484	129 549	126 375	124 312	124 024	122 199	121 090
1983 ---	120 513	117 575	115 655	114 917	114 435	114 059	112 942	112 632	113 677	116 164	115 550	114 295
1984 ---	116 065	117 720	119 365	119 870	121 304	122 408	123 877	123 719	122 874	122 548	121 488	119 445
1985 ---	118 886	121 085	121 426	120 051	118 585	118 898	118 464	118 020	119 862	120 733	118 765	120 589
1986 ---	120 511	121 268	121 259	119 775	118 697	117 898	117 189	116 223	116 575	117 134	117 243	118 373
1987 ---	119 360	119 782	119 436	120 293	123 469	125 906	129 188	130 419	130 329	131 601	133 165	136 113
1988 ---	140 883	144 587	145 883	148 246	147 952	150 515	154 107	160 380	163 289	164 840	167 666	173 665
1989 ---	180 517	185 071	188 834	194 021	196 809	201 943	209 334	210 095	212 450	213 716	217 981	226 633
1990 ---	230 082	229 366	233 913	235 195	235 790	235 913	239 964	239 093	241 096	245 687	244 472	250 310
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-6	-1.3	-8	-5	-2.6	-2.2	-1.5	-2.5	-1.6	-2	-1.5	-9
1983 ---	-5	-2.4	-1.6	-6	-4	-3	-1.0	-3	9	2.2	-5	-1.1
1984 ---	1.5	1.4	1.4	4	1.7	4	1.2	-1	-7	-3	-9	-1.7
1985 ---	-5	18	3	-1.1	-1.2	-3	-4	-4	1.6	7	-1.6	1.5
1986 ---	-1	6	-	-1.2	-9	-7	-6	-8	3	5	-1	1.0
1987 ---	8	4	-3	7	2.6	2.0	2.6	1.0	-1	1	1.2	2.2
1988 ---	3.5	2.6	9	1.6	-2	1.7	2.4	4.1	1.8	9	1.7	3.6
1989 ---	3.9	2.5	2.0	2.7	1.4	2.6	3.7	4	1.1	6	2.0	4.0
1990 ---	1.5	-3	2.0	.5	3	1	1.7	-4	8	1.9	-5	2.4

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDEFENSE CAPITAL GOODS, EXCLUDING AIRCRAFT—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	95 563	94 155	91 904	91 297	88 329	85 264	83 012	80 070	77 853	77 905	76 366	74 795
1983 ---	74 282	73 461	73 532	73 632	73 666	73 231	72 325	72 141	73 566	75 390	75 172	74 533
1984 ---	75 942	76 937	77 723	77 961	79 097	79 120	79 402	79 285	78 432	78 176	77 678	76 481
1985 ---	76 371	79 765	80 488	79 743	78 810	78 372	77 868	77 377	77 584	77 480	77 293	76 089
1986 ---	76 132	77 319	76 220	74 756	73 440	73 261	72 637	72 733	72 603	71 870	71 616	70 591
1987 ---	71 094	71 820	71 186	71 720	72 243	73 488	74 162	74 358	74 408	74 754	75 329	75 363
1988 ---	71 145	79 213	79 808	80 458	80 629	79 574	80 344	82 262	82 647	82 794	83 283	82 373
1989 ---	84 537	86 240	86 425	86 738	86 746	89 001	88 569	87 757	90 296	89 248	89 707	89 662
1990 ---	90 821	90 885	89 482	89 453	89 393	88 723	89 837	88 961	88 780	88 909	87 843	87 366
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	95 071	93 575	91 459	90 552	87 875	85 146	82 986	80 311	78 358	78 390	76 887	75 298
1983 ---	73 998	73 078	73 218	73 092	73 241	73 090	72 346	72 346	74 019	75 812	75 639	75 049
1984 ---	75 780	76 569	77 508	77 394	78 574	78 866	79 451	79 451	78 875	78 601	78 081	77 025
1985 ---	76 320	79 362	80 168	79 244	78 325	78 176	77 906	77 489	77 974	77 871	77 579	76 653
1986 ---	76 145	76 895	75 902	74 371	73 097	73 226	72 685	72 738	72 870	72 194	71 772	71 120
1987 ---	71 089	71 403	70 958	71 447	71 943	73 545	74 185	74 344	74 714	75 163	75 458	75 831
1988 ---	77 783	78 733	79 536	80 072	80 319	79 719	80 414	82 276	83 046	83 314	83 464	82 786
1989 ---	84 300	85 660	86 118	86 300	86 471	89 178	88 482	87 587	90 519	89 603	89 752	90 168
1990 ---	90 712	90 531	89 482	89 358	89 238	88 928	89 694	88 683	88 923	89 174	87 834	87 832
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-1.2	-1.6	-2.3	-1.0	-3.0	-3.1	-2.5	-3.2	-2.4	-	-1.9	-2.1
1983 ---	-1.7	-1.2	2	-2	2	-2	-1.0	-	2.3	2.4	-2	-1.8
1984 ---	1.0	1.0	1.1	-	1.5	4	7	-	-7	-3	-7	-1.4
1985 ---	-9	4.0	1.0	-1.2	-1.2	-2	-3	-5	6	-1	-4	-1.2
1986 ---	-7	1.0	-1.3	-2.0	-1.7	2	-7	1	2	-9	-6	-9
1987 ---	-	4	-6	7	2.2	9	9	2	5	6	4	5
1988 ---	2.6	1.2	1.0	7	3	-7	9	2.3	9	3	2	-8
1989 ---	1.8	1.6	5	2	2	3.1	-8	-1.0	3.3	-1.0	2	5
1990 ---	.6	-2	-1.2	-1	-1	-3	9	-1.1	3	3	-1.5	-
<b>DEFENSE CAPITAL GOODS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	81 801	84 648	87 607	89 649	89 545	89 402	88 656	88 767	89 235	91 410	91 953	99 262
1983 ---	104 539	105 339	107 846	109 949	108 932	110 173	110 385	109 086	110 502	113 148	116 362	121 539
1984 ---	123 025	125 172	133 167	132 688	131 625	131 196	130 872	130 936	133 199	133 468	137 560	142 738
1985 ---	147 876	147 091	148 155	148 264	148 230	150 817	151 363	152 384	154 034	153 905	152 924	156 900
1986 ---	160 812	161 837	167 265	166 512	164 859	162 345	162 050	159 826	161 731	160 009	161 236	162 588
1987 ---	162 288	161 209	162 889	164 366	163 200	162 683	162 449	161 506	162 044	162 647	164 073	164 815
1988 ---	165 611	165 997	165 856	164 496	164 240	163 206	161 232	157 932	157 895	159 771	159 916	163 837
1989 ---	164 342	164 152	167 233	166 499	163 301	161 240	160 196	157 596	159 951	160 717	165 166	166 290
1990 ---	165 660	165 592	165 826	164 568	163 695	161 417	158 900	156 237	156 726	155 652	153 408	152 776
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	80 804	83 260	86 017	88 186	88 827	89 352	89 535	90 629	91 131	92 608	93 436	99 054
1983 ---	103 309	103 615	105 702	107 936	108 010	110 111	111 438	111 160	112 734	114 910	118 558	121 182
1984 ---	121 545	123 200	130 210	130 023	130 537	131 227	132 247	133 343	135 631	135 528	140 127	142 337
1985 ---	146 212	145 022	144 897	145 438	147 140	151 016	153 055	155 279	156 600	156 220	155 312	156 343
1986 ---	158 905	159 585	163 565	163 484	163 894	162 810	163 879	162 945	164 247	162 240	163 050	161 790
1987 ---	160 462	158 916	159 547	161 711	162 463	163 269	164 239	164 863	164 480	164 899	165 086	163 794
1988 ---	163 829	163 548	162 774	162 188	163 648	163 798	162 949	161 382	161 262	161 939	160 523	162 782
1989 ---	162 760	161 865	164 332	164 346	162 751	161 717	161 896	161 262	162 287	162 880	165 515	165 063
1990 ---	163 903	163 174	162 924	162 546	163 206	161 882	160 627	159 994	159 064	157 672	153 673	151 716
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	3.9	3.0	3.3	2.5	.7	6	2	12	6	16	9	6.0
1983 ---	4.3	3	2.0	2.1	1	1.9	1.2	-2	1.4	1.9	3.2	2.2
1984 ---	3	1.4	5.7	-1	4	5	8	8	1.7	-1	3.4	1.6
1985 ---	2.7	-8	-1	-4	1.2	2.6	1.4	1.5	9	-2	-6	7
1986 ---	1.6	-4	2.5	-4	3	-7	7	-6	8	-12	-5	-8
1987 ---	-8	-10	-4	1.4	5	5	6	-4	-2	3	1	-8
1988 ---	-	-5	-4	-4	9	1	-5	-10	-2	1.1	-9	1.4
1989 ---	-	-5	1.5	-	-1.0	-6	1	-4	-6	4	1.6	-3
1990 ---	-7	-4	-2	-2	4	-8	-8	-4	-6	-9	-2.5	-1.3

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLE GOODS, EXCLUDING CAPITAL GOODS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	92 107	91 567	91 921	89 934	88 542	86 658	86 235	83 885	82 625	80 481	78 917	78 002
1983 ---	80 169	83 056	84 467	85 022	85 810	86 750	89 484	91 964	91 247	92 447	93 527	94 440
1984 ---	99 447	103 356	105 646	107 274	108 067	105 150	106 186	105 551	102 119	98 773	96 269	94 807
1985 ---	97 999	99 521	99 760	99 241	98 287	97 062	96 991	96 438	94 666	93 229	91 558	92 437
1986 ---	95 513	97 963	98 816	97 717	96 271	95 273	95 306	94 775	94 084	93 012	92 164	93 832
1987 ---	95 103	96 692	98 997	99 948	100 708	101 390	103 678	104 363	104 604	104 436	104 230	105 984
1988 ---	108 959	111 861	113 909	113 915	114 125	113 153	114 283	113 033	111 590	110 246	109 262	110 773
1989 ---	112 746	114 415	114 773	114 966	113 429	112 313	110 576	108 392	107 268	105 183	103 859	104 863
1990 ---	107 511	108 080	109 271	110 342	110 748	108 778	109 307	108 027	106 697	105 039	102 883	101 511
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	92 571	90 515	90 006	88 080	87 079	86 016	85 300	83 197	83 256	82 295	81 622	80 666
1983 ---	80 803	82 129	82 611	83 232	84 249	86 120	88 372	91 039	92 048	94 805	96 919	97 682
1984 ---	100 180	102 084	103 053	104 587	105 842	104 280	104 680	104 436	102 959	101 274	99 506	97 952
1985 ---	99 111	98 533	97 261	96 797	96 258	96 209	95 660	95 694	95 577	95 644	94 626	95 243
1986 ---	96 274	96 771	96 405	95 490	94 465	94 513	94 049	94 200	95 010	95 455	95 384	96 676
1987 ---	95 773	95 536	96 633	97 563	98 834	100 645	102 394	104 037	105 835	107 374	108 072	108 987
1988 ---	109 543	110 484	111 165	111 049	111 899	112 097	112 793	112 839	112 954	113 349	113 115	113 811
1989 ---	113 386	113 072	112 083	112 119	111 108	111 152	108 981	108 206	108 484	108 042	107 514	107 798
1990 ---	108 229	107 050	107 014	107 828	108 618	107 709	107 769	107 852	107 889	107 873	106 587	104 349
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-1.6	-2.2	-6	-2.1	-1.1	-1.2	-8	-2.5	.1	-1.2	-8	-1.2
1983 ---	2	1.6	6	8	1.2	2.2	2.6	3.0	1.1	3.0	2.2	8
1984 ---	2.6	1.9	9	1.5	1.2	-1.5	.4	-2	-1.4	-1.6	-1.7	-1.6
1985 ---	1.2	-6	-1.3	-5	-6	-1	-6	-	-1	1	-1.1	7
1986 ---	1.1	5	-4	-9	-1.1	1	-5	2	9	5	-1	1.4
1987 ---	-9	-2	1.1	1.0	1.3	1.8	1.7	1.6	1.7	1.5	7	8
1988 ---	5	9	6	-1	8	2	6	-	1	3	-2	6
1989 ---	-4	-3	-9	-	-9	-	-2.0	-7	3	-4	-5	3
1990 ---	4	-1.1	-	8	7	-8	1	1	-	-	-1.2	-2.1
<b>PRODUCERS' DURABLE EQUIPMENT—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	178 367	176 528	176 175	174 626	169 740	165 741	163 942	158 944	156 549	154 958	151 783	149 304
1983 ---	149 988	147 316	146 860	147 038	146 614	146 901	147 221	147 853	148 015	150 607	150 306	149 027
1984 ---	153 381	156 409	158 486	159 553	161 794	161 473	163 465	163 020	159 824	158 240	156 192	153 827
1985 ---	155 061	158 521	159 225	158 203	156 339	156 157	155 688	155 211	155 683	154 907	152 066	153 971
1986 ---	155 745	157 375	157 243	155 642	154 538	153 379	153 251	151 809	151 206	151 460	150 527	150 143
1987 ---	152 610	154 201	153 974	154 299	157 402	159 425	162 002	163 854	163 026	163 205	164 240	166 241
1988 ---	170 294	175 306	177 287	179 227	178 517	179 675	184 055	186 938	186 653	186 672	189 678	196 249
1989 ---	203 587	208 538	211 920	216 520	217 968	222 403	225 353	225 069	226 868	226 551	228 578	236 430
1990 ---	241 807	240 529	244 161	244 556	244 748	243 427	248 642	246 973	247 793	252 445	250 639	255 440
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	178 481	175 999	175 216	173 150	168 618	165 227	163 074	158 332	156 938	156 145	153 609	151 353
1983 ---	150 318	146 956	146 078	145 868	145 536	146 385	146 323	147 099	148 382	151 892	152 326	151 253
1984 ---	153 929	155 944	157 451	157 980	160 359	160 733	162 359	162 107	160 223	159 611	157 979	156 053
1985 ---	155 974	158 117	158 073	156 725	154 990	155 424	154 622	154 402	156 057	156 184	153 659	155 893
1986 ---	156 391	156 822	156 238	154 480	153 513	152 966	152 327	151 020	151 457	152 683	152 142	152 137
1987 ---	153 179	153 664	153 036	153 263	156 490	159 218	161 462	162 977	163 361	164 501	165 930	168 150
1988 ---	170 716	174 776	176 270	177 913	177 551	179 538	183 132	186 315	187 075	187 965	191 217	198 043
1989 ---	203 921	207 968	210 885	215 109	217 022	222 305	224 240	224 321	227 152	227 731	230 069	238 359
1990 ---	242 233	240 194	243 567	243 641	244 036	243 455	247 561	246 117	247 966	253 439	252 106	257 281
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	5	-1.4	-4	-1.2	-2.6	-2.0	-1.3	-2.9	-9	-5	-1.6	-1.5
1983 ---	-7	-2.2	-6	-1	2	6	2	5	9	2.4	3	-7
1984 ---	1.8	1.3	1.0	3	1.5	3	1.0	-2	-1.2	-4	-1.0	-1.2
1985 ---	-1	1.4	-	-9	-1.1	2	-5	-1	1	1	-1.6	1.5
1986 ---	-3	3	-4	-1.1	-6	-4	-4	-9	9	8	-4	-
1987 ---	7	3	-4	1	2	1.7	1.4	9	2	7	9	1.3
1988 ---	1.5	2.4	9	9	2	1.1	2.0	1.7	4	5	1.7	3.6
1989 ---	3.0	2.0	1.4	2.0	9	2.4	9	9	1.3	3	1.0	3.6
1990 ---	1.6	-8	1.4	-	2	-2	1.7	-6	8	2.2	-5	2.1

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOUSEHOLD DURABLE GOODS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 984	4 085	4 584	4 629	4 980	5 046	5 107	5 040	4 615	4 115	3 835	3 716
1983 ---	4 025	4 284	4 639	4 906	5 591	5 656	6 135	6 470	5 799	5 168	4 656	4 522
1984 ---	5 285	6 010	6 392	6 945	7 646	7 104	7 462	7 512	6 683	5 580	4 542	4 395
1985 ---	5 926	6 348	6 824	6 690	6 759	6 592	6 697	6 421	5 819	5 192	4 580	4 219
1986 ---	5 203	5 368	5 854	6 033	6 239	6 016	6 047	6 089	5 895	5 421	5 040	4 649
1987 ---	5 281	5 480	6 124	6 023	6 193	5 953	6 211	6 127	5 877	5 612	5 252	4 731
1988 ---	5 482	6 104	6 184	6 328	6 211	6 146	6 115	6 032	5 768	5 264	4 840	4 640
1989 ---	5 672	5 817	6 247	6 446	6 278	6 046	6 248	6 055	5 791	5 385	4 906	4 560
1990 ---	5 239	5 303	5 498	5 614	5 514	5 549	5 741	5 595	5 378	4 757	4 524	4 098
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 615	4 352	4 613	4 399	4 507	4 581	4 470	4 378	4 379	4 433	4 680	4 863
1983 ---	4 604	4 515	4 605	4 702	5 037	5 160	5 407	5 623	5 523	5 641	5 698	5 820
1984 ---	6 003	6 317	6 190	6 425	6 724	6 448	6 553	6 565	6 377	6 061	5 339	5 619
1985 ---	6 793	6 645	6 363	6 147	5 957	5 902	5 930	5 753	5 651	5 600	5 392	5 260
1986 ---	5 711	5 510	5 513	5 684	5 620	5 598	5 441	5 559	5 755	5 869	5 939	5 848
1987 ---	5 727	5 554	5 739	5 638	5 674	5 600	5 659	5 679	5 757	6 034	6 202	5 898
1988 ---	5 864	6 169	5 784	5 808	5 685	5 756	5 572	5 628	5 686	5 646	5 589	5 770
1989 ---	6 096	5 847	5 847	5 934	5 763	5 641	5 687	5 668	5 754	5 881	5 798	5 750
1990 ---	5 597	5 284	5 189	5 199	5 130	5 232	5 262	5 238	5 352	5 225	5 464	5 203
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-2.4	-5.7	6.0	-4.6	2.5	1.6	-2.4	-2.1	-	1.2	5.6	3.9
1983 ---	-5.3	-1.9	2.0	2.1	7.1	2.4	4.8	4.0	-1.8	2.1	5	2.7
1984 ---	3.1	5.2	-2.0	3.8	4.7	-4.1	1.6	2	-2.9	-5.0	-11.0	4.2
1985 ---	20.9	-2.2	-4.2	-3.4	-3.1	8	-1.2	-3.0	-9	-1.8	-4.7	-1.5
1986 ---	8.6	-3.5	.1	3.1	-1.1	-4	-2.8	2.2	3.5	2.0	1.3	-1.6
1987 ---	-2.1	-3.0	3.3	-1.8	.6	-1.3	1.1	4	1.4	4.8	2.8	-4.9
1988 ---	-6	5.2	-6.2	.4	-2.1	1.2	-3.2	1.0	1.0	-7	-1.0	3.2
1989 ---	5.6	-4.1	-	1.5	-2.9	-2.1	.8	-3	1.5	2.2	-1.4	-8
1990 ---	-2.7	-5.6	-1.8	.2	-1.3	2.0	.6	-5	2.2	-2.4	4.6	-4.8
<b>INFORMATION TECHNOLOGY INDUSTRIES—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	34 719	34 707	34 540	36 484	35 965	35 294	34 754	33 732	33 647	34 002	33 678	34 474
1983 ---	34 587	34 059	34 396	34 943	34 855	35 722	35 291	34 911	35 786	36 010	36 098	36 399
1984 ---	37 131	37 733	38 182	38 945	40 358	40 921	40 337	40 335	40 054	40 074	40 200	39 418
1985 ---	39 459	42 558	42 754	42 193	42 075	42 619	41 851	41 440	41 339	41 482	40 912	40 095
1986 ---	39 763	40 832	39 989	39 166	38 453	39 457	39 486	39 339	39 526	39 069	38 744	38 449
1987 ---	38 699	38 753	38 188	38 542	38 463	39 685	40 042	39 267	39 088	39 042	38 921	38 994
1988 ---	40 411	40 805	40 782	41 204	41 551	40 416	40 482	41 157	40 690	40 837	41 034	40 762
1989 ---	40 868	41 476	41 221	40 843	40 568	39 746	39 738	39 747	42 287	42 115	42 106	43 120
1990 ---	42 751	42 477	42 337	42 522	42 732	42 830	43 416	42 785	43 203	43 131	42 509	42 278
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	34 537	34 592	34 602	36 170	35 525	34 746	34 440	33 854	33 961	34 502	34 126	34 696
1983 ---	34 486	34 001	34 483	34 689	34 461	35 194	35 039	34 980	36 046	36 422	36 525	36 681
1984 ---	37 149	37 728	38 311	38 668	39 919	40 278	40 066	40 340	40 255	40 388	40 556	39 807
1985 ---	39 606	42 564	42 923	41 987	41 690	42 055	41 564	41 341	41 446	41 698	41 132	40 533
1986 ---	40 006	40 857	40 153	39 051	38 175	39 075	39 241	39 184	39 549	39 183	38 812	38 862
1987 ---	38 971	38 781	38 373	38 469	38 209	39 410	39 791	39 080	39 064	39 111	38 895	39 387
1988 ---	40 705	40 869	41 005	41 138	41 303	40 230	40 258	40 960	40 647	40 857	40 943	41 144
1989 ---	41 152	41 565	41 464	40 784	40 334	39 619	39 543	39 586	42 242	42 115	41 978	43 467
1990 ---	43 004	42 572	42 584	42 458	42 491	42 729	43 234	42 630	43 155	43 119	42 367	42 612
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-6	.2	-	4.5	-1.8	-2.2	-9	-1.7	.3	1.6	-1.1	1.7
1983 ---	-6	-1.4	1.4	.6	-7	2.1	-4	-2	3.0	1.0	.3	.4
1984 ---	1.3	1.6	1.5	.9	3.2	.9	-5	.7	-2	.3	4	-1.8
1985 ---	-5	7.5	.8	-2.2	-7	.9	-1.2	-5	.3	6	-1.4	-1.5
1986 ---	-1.3	2.1	-1.7	-2.7	-2.2	2.4	.4	-1	9	-9	-9	.1
1987 ---	.3	-5	-1.1	.3	-7	3.1	1.0	-1.8	-	1	-6	1.3
1988 ---	3.3	4	.3	-3	4	-2.6	1	1.7	-8	5	-3	.5
1989 ---	-	1.0	-2	-1.6	-1.1	-1.8	-2	1	6.7	-3	-3	3.5
1990 ---	-1.1	-1.0	-	-3	1	.6	1.2	-1.4	1.2	-1	-1.7	.6

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HEALTH CARE EQUIPMENT AND PRODUCTS—UNFILLED ORDERS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 393	3 518	3 621	3 673	3 621	3 588	3 556	3 591	3 648	3 641	3 640	3 570
1983 ---	3 667	3 726	3 762	3 840	3 856	4 016	4 071	4 064	4 105	4 094	4 102	4 136
1984 ---	4 241	4 227	4 306	4 367	4 531	4 639	4 649	4 771	4 772	4 857	4 929	4 976
1985 ---	5 094	5 126	5 066	5 136	5 106	5 204	5 274	5 316	5 314	5 306	5 272	5 465
1986 ---	5 521	5 505	5 536	5 500	5 550	5 560	5 569	5 580	5 790	5 842	5 791	5 785
1987 ---	5 900	5 852	5 892	5 956	5 959	6 132	6 282	6 353	6 431	6 470	6 530	6 649
1988 ---	6 721	6 734	6 780	6 738	6 792	6 812	6 887	6 830	6 741	6 828	6 953	7 151
1989 ---	6 852	6 805	6 758	6 825	6 799	7 361	7 405	7 339	8 122	8 285	8 186	7 964
1990 ---	8 201	8 300	8 317	8 210	8 065	8 128	8 194	8 111	8 159	8 378	8 253	8 092
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 394	3 519	3 621	3 673	3 621	3 587	3 555	3 590	3 648	3 640	3 640	3 571
1983 ---	3 668	3 727	3 763	3 841	3 855	4 016	4 069	4 062	4 104	4 093	4 102	4 137
1984 ---	4 242	4 228	4 307	4 367	4 531	4 638	4 647	4 770	4 771	4 856	4 929	4 977
1985 ---	5 095	5 127	5 067	5 136	5 106	5 203	5 273	5 315	5 313	5 305	5 272	5 465
1986 ---	5 522	5 506	5 537	5 500	5 550	5 559	5 567	5 579	5 789	5 842	5 791	5 786
1987 ---	5 902	5 854	5 893	5 957	5 959	6 132	6 281	6 352	6 429	6 469	6 530	6 650
1988 ---	6 723	6 735	6 782	6 739	6 792	6 811	6 886	6 828	6 739	6 827	6 953	7 151
1989 ---	6 853	6 807	6 759	6 826	6 799	7 361	7 404	7 338	8 120	8 284	8 185	7 965
1990 ---	8 203	8 301	8 319	8 211	8 064	8 127	8 193	8 110	8 158	8 377	8 252	8 093
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	10	3.7	2.9	1.4	-1.4	-9	-9	10	16	-2	-	-1.9
1983 ---	2.7	1.6	1.0	2.1	4	4.2	1.3	-2	10	-3	2	9
1984 ---	2.5	-3	1.9	1.4	3.8	2.4	2	2.6	-	1.8	1.5	10
1985 ---	2.4	6	-1.2	1.4	-6	1.9	1.3	8	-	-2	-6	3.7
1986 ---	10	-3	6	-7	9	2	1	2	3.8	9	-9	-1
1987 ---	20	-8	7	1.1	-	2.9	2.4	1.1	1.2	6	9	1.8
1988 ---	1.1	2	7	-6	8	3	1.1	-8	-1.3	1.3	1.8	2.8
1989 ---	-4.2	-7	-7	10	-4	8.3	6	-9	10.7	20	-1.2	-2.7
1990 ---	30	1.2	2	-1.3	-1.8	8	8	-10	6	2.7	-1.5	-1.9

- Represents no change (NA) Not available.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	322 919	325 331	324 537	324 986	322 409	319 146	318 074	317 268	313 950	314 238	312 131	307 212
1983 ---	307 778	308 985	305 120	306 442	307 204	305 033	304 861	306 710	306 225	308 543	309 523	307 675
1984 ---	311 119	316 992	320 656	325 102	329 659	330 517	332 630	336 829	336 935	339 333	338 241	334 236
1985 ---	336 951	340 119	339 613	340 890	340 327	338 647	337 010	336 831	334 192	333 999	332 810	329 555
1986 ---	330 531	331 841	330 764	331 574	330 800	327 739	326 877	325 804	322 492	322 611	321 941	317 567
1987 ---	322 491	324 967	324 762	326 934	328 721	326 502	327 613	330 402	329 605	332 073	334 327	332 619
1988 ---	338 991	344 206	345 244	348 522	352 214	351 472	353 943	356 669	356 425	359 143	361 395	361 477
1989 ---	369 806	374 222	375 489	379 472	382 149	380 437	384 952	386 364	382 399	384 186	384 542	377 201
1990 ---	385 844	388 164	385 737	388 122	389 654	383 994	388 114	389 637	388 993	391 165	391 216	382 135
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	322 913	322 516	321 845	321 266	318 674	318 297	318 621	318 040	316 733	316 326	313 992	311 829
1983 ---	308 034	306 601	302 896	303 281	303 989	304 378	305 309	307 096	308 519	309 915	311 123	312 350
1984 ---	311 639	314 917	318 837	322 212	326 472	329 844	332 768	336 533	338 703	340 399	339 903	339 484
1985 ---	337 935	338 371	338 066	338 157	337 151	337 992	336 936	336 192	335 681	334 764	334 288	334 803
1986 ---	331 486	330 312	329 609	329 173	327 838	327 252	326 572	324 838	323 764	323 245	323 397	322 731
1987 ---	323 352	323 531	323 797	324 642	325 850	326 343	327 125	329 293	331 019	332 642	335 656	338 212
1988 ---	339 677	342 565	344 384	346 155	349 074	351 473	353 254	355 370	358 087	359 726	362 702	367 596
1989 ---	370 460	372 356	374 561	376 959	378 756	380 719	384 110	384 808	384 335	384 644	385 851	383 825
1990 ---	386 547	386 273	384 947	385 652	386 235	384 373	387 104	387 986	390 992	391 460	392 370	388 811
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.1	-.2	-.2	-.8	-.1	.1	-.2	-.4	-.1	-.7	-.7
1983 ---	-1.2	-.5	-1.2	.1	.2	.1	.3	.6	.5	.5	.4	.4
1984 ---	-.2	1.1	1.2	1.1	1.3	1.0	.9	1.1	.6	.5	-.1	-.1
1985 ---	-.5	.1	-.1	-.1	-.3	-.2	-.3	-.2	-.2	-.3	-.1	-.2
1986 ---	-1.0	-.4	-.2	-.1	-.4	-.2	-.2	-.5	-.3	-.2	-.1	-.2
1987 ---	.2	.1	.1	.3	.4	.2	.2	.7	.5	.5	.9	.8
1988 ---	.4	.9	.5	.5	.8	.7	.5	.6	.8	.5	.8	1.3
1989 ---	.8	.5	.6	.6	.5	.5	.9	.2	-.1	.1	.3	-.5
1990 ---	.7	-.1	-.3	.2	.2	-.5	.7	.2	.8	.1	.2	-.9
<b>ALL MANUFACTURING INDUSTRIES WITH UNFILLED ORDERS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	213 344	215 809	215 694	216 776	216 664	215 072	213 722	212 690	209 921	209 370	206 931	203 638
1983 ---	203 111	204 236	202 504	203 973	205 414	204 022	203 029	203 793	202 469	203 167	203 604	202 794
1984 ---	204 515	208 725	212 461	216 242	220 053	221 598	223 846	226 829	226 680	228 373	227 671	225 290
1985 ---	227 980	230 833	231 431	232 799	232 821	232 350	231 242	230 834	229 123	227 719	225 950	222 340
1986 ---	223 518	224 929	225 993	227 072	227 628	226 508	226 453	225 511	223 519	222 891	221 526	217 411
1987 ---	220 606	222 482	223 009	225 103	226 756	225 578	226 435	227 886	226 907	228 172	229 383	227 201
1988 ---	231 780	236 143	237 374	240 443	243 834	243 290	245 421	247 245	247 209	248 368	249 851	249 606
1989 ---	256 016	259 913	261 255	264 072	266 991	265 812	269 113	269 880	266 440	267 187	267 255	261 365
1990 ---	267 440	269 528	268 034	270 813	272 403	268 658	271 308	271 431	268 427	269 100	269 288	261 084
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	214 923	215 087	214 057	214 121	213 327	213 109	212 519	212 160	211 440	211 142	209 199	207 820
1983 ---	204 769	203 729	201 186	201 709	202 470	202 239	201 836	203 014	203 445	204 414	205 652	207 119
1984 ---	206 400	208 480	211 488	214 113	217 064	219 737	222 441	225 643	227 300	229 340	229 705	230 191
1985 ---	230 272	230 800	230 675	230 748	229 840	230 558	229 712	229 420	229 493	228 405	227 771	227 299
1986 ---	225 730	224 979	225 535	225 246	224 812	224 904	224 871	223 968	223 822	223 477	223 171	222 395
1987 ---	222 674	222 478	222 603	223 285	223 936	224 188	224 749	226 245	227 333	228 765	230 989	232 597
1988 ---	233 768	236 001	237 015	238 558	240 792	242 013	243 589	245 383	247 834	248 964	251 383	255 522
1989 ---	258 066	259 632	260 924	262 063	263 645	264 658	267 129	267 805	267 416	267 761	268 780	267 664
1990 ---	269 467	269 156	267 717	268 796	268 978	267 582	269 239	269 255	269 451	269 655	270 802	267 347
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.1	-.5	-.1	-.4	-.1	-.3	-.2	-.3	-.1	-.9	-.7
1983 ---	-1.5	-.5	-1.2	.3	.4	-.1	-.2	.6	.2	.5	.6	.7
1984 ---	-.3	1.0	1.4	1.2	1.4	1.2	1.2	1.4	.7	.9	.2	.2
1985 ---	-.1	.2	-.1	-.1	-.4	.3	-.4	-.1	-.1	-.5	-.3	-.2
1986 ---	-.7	-.3	.2	-.1	-.2	-.1	-.1	-.4	-.1	-.2	-.1	-.3
1987 ---	.1	-.1	.1	.3	.3	.1	.3	.7	.5	.6	1.0	.7
1988 ---	.5	1.0	.4	.7	.9	.5	.7	.7	1.0	.5	1.0	1.6
1989 ---	1.0	.6	.5	.4	.6	.4	.9	.3	-.1	.1	.4	-.4
1990 ---	.7	-.1	-.5	.4	.1	-.5	.6	-.1	.1	.1	.4	-1.3

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	207 312	209 548	209 266	209 797	209 287	207 683	206 158	205 479	203 123	202 516	199 820	196 663
1983 ---	196 341	197 852	195 883	197 068	198 259	196 445	195 382	196 561	195 387	195 934	196 614	196 002
1984 ---	197 743	202 082	205 279	208 321	211 439	212 223	213 901	217 238	217 486	219 366	218 934	217 049
1985 ---	220 002	222 410	222 741	223 476	223 183	222 683	221 654	221 572	219 945	218 697	217 345	213 978
1986 ---	215 255	216 800	217 459	217 864	218 252	216 280	215 295	214 692	213 275	212 626	211 826	207 865
1987 ---	210 728	212 450	212 576	214 095	215 267	213 628	214 131	215 519	215 020	216 486	218 078	216 343
1988 ---	221 044	225 161	225 807	227 725	230 533	229 592	231 295	232 745	232 990	234 629	236 483	236 520
1989 ---	242 954	246 755	247 899	250 071	252 422	250 855	254 258	255 166	252 083	253 400	253 800	248 011
1990 ---	253 925	255 797	253 857	256 205	257 462	253 034	255 373	255 977	253 780	254 748	255 440	247 615
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	208 316	208 079	207 185	207 192	206 325	206 356	205 858	205 393	204 682	204 250	201 939	200 409
1983 ---	197 471	196 632	194 120	194 817	195 632	195 277	195 088	196 247	196 396	197 105	198 503	199 814
1984 ---	199 032	201 037	203 791	206 225	208 815	211 102	213 556	216 612	218 240	220 279	220 741	221 884
1985 ---	221 601	221 505	221 418	221 428	220 529	221 640	221 236	220 844	220 587	219 399	218 903	218 182
1986 ---	216 725	215 957	216 414	216 057	215 774	215 423	214 810	213 909	213 936	213 230	213 157	212 010
1987 ---	211 983	211 582	211 608	212 355	212 831	213 004	213 567	214 695	215 853	217 048	219 281	220 790
1988 ---	222 160	224 102	224 886	225 945	227 931	229 155	230 651	231 784	234 072	235 141	237 550	241 389
1989 ---	244 070	245 525	246 984	248 167	249 552	250 615	253 518	254 012	253 533	253 824	254 799	253 261
1990 ---	255 068	254 499	252 994	254 328	254 564	252 877	254 521	254 721	255 278	255 113	256 387	252 836
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.1	-.4	-	-.4	-	-.2	-.2	-.3	-.2	-1.1	-.8
1983 ---	-1.5	-.4	-1.3	.4	.4	-.2	-.1	.6	.1	.4	.7	.7
1984 ---	-.4	1.0	1.4	1.2	1.3	1.1	1.2	1.4	.8	.9	.2	.2
1985 ---	.1	-	-	-	-.4	.5	-.2	-.2	-.1	-.5	-.2	-.3
1986 ---	-.7	-.4	.2	-.2	-.1	-.2	-.3	-.4	-	-.3	-	-.5
1987 ---	-	-.2	-	.4	.2	.1	.3	.5	.5	.6	1.0	.7
1988 ---	.6	.9	.3	.5	.9	.5	.7	.5	1.0	.5	1.0	1.6
1989 ---	1.1	.6	.6	.5	.6	.4	1.2	.2	-.2	.1	.4	-.6
1990 ---	.7	-.2	-.6	.5	.1	-.7	.7	.1	.2	-.1	.5	-1.4
<b>DURABLE GOODS WITH UNFILLED ORDERS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	190 091	192 072	191 911	192 745	192 512	191 030	189 844	189 143	186 933	186 560	184 316	181 167
1983 ---	180 393	181 364	179 629	180 840	181 942	180 340	179 231	180 014	179 036	179 459	179 734	178 931
1984 ---	180 172	183 901	187 139	190 403	193 726	194 832	196 806	199 712	199 843	201 663	201 085	198 951
1985 ---	201 607	203 699	204 223	205 481	205 656	205 268	204 469	204 015	202 724	201 506	199 940	196 399
1986 ---	197 592	198 436	199 326	200 064	200 665	199 450	199 051	198 328	196 864	196 424	195 029	191 129
1987 ---	193 622	194 834	194 850	196 711	198 055	196 947	197 700	198 931	198 242	199 775	200 828	198 663
1988 ---	202 689	206 474	207 305	209 609	212 613	211 960	213 632	215 143	215 429	216 879	218 224	218 163
1989 ---	223 918	227 501	228 813	231 279	233 663	232 273	235 345	236 246	233 255	234 393	234 592	229 176
1990 ---	234 589	236 243	234 512	236 970	238 345	234 551	236 615	236 988	234 655	235 642	235 974	228 280
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	191 347	191 350	190 482	190 564	189 764	189 662	189 122	188 837	188 100	187 797	185 981	184 705
1983 ---	181 764	180 859	178 484	178 979	179 491	179 071	178 484	179 465	179 729	180 233	181 228	182 579
1984 ---	181 740	183 653	186 319	188 678	191 225	193 488	195 893	198 823	200 237	202 171	202 562	203 096
1985 ---	203 546	203 632	203 611	203 828	203 132	203 956	203 416	202 939	202 951	201 775	201 260	200 594
1986 ---	199 447	198 440	198 974	198 603	198 292	198 294	197 954	197 167	197 087	196 613	196 196	195 307
1987 ---	195 293	194 758	194 523	195 252	195 695	195 988	196 531	197 717	198 622	199 940	201 944	203 160
1988 ---	204 275	206 246	207 004	208 082	210 076	211 150	212 396	213 793	216 038	217 007	219 240	223 078
1989 ---	225 521	227 109	228 520	229 620	230 852	231 624	233 998	234 699	234 195	234 462	235 595	234 460
1990 ---	236 205	235 775	234 226	235 298	235 468	233 983	235 199	235 370	235 640	235 683	236 962	233 511
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	-.5	-	-.4	-.1	-.3	-.2	-.4	-.2	-1.0	-.7
1983 ---	-1.6	-.5	-1.3	.3	.3	-.2	-.3	.5	.1	.3	.6	.7
1984 ---	-.5	1.1	1.5	1.3	1.3	1.2	1.2	1.5	.7	1.0	.2	.3
1985 ---	.2	-	-	.1	-.3	.4	-.3	-.2	-	-.6	-.3	-.3
1986 ---	-.6	-.5	.3	-.2	-.2	-	-.2	-.4	-	-.2	-.2	-.5
1987 ---	-	-.3	-.1	.4	.2	.1	.3	.6	.5	.7	1.0	.6
1988 ---	.5	1.0	.4	.5	1.0	.5	.6	.7	1.1	.4	1.0	1.8
1989 ---	1.1	.7	.6	.5	.5	.3	1.0	.3	-.2	.1	.5	-.5
1990 ---	.7	-.2	-.7	.5	.1	-.6	.5	.1	.1	-	.5	-1.5

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	6 601	6 857	6 828	6 810	6 790	6 641	6 526	6 485	6 360	6 319	6 292	6 371
1983 ---	6 303	6 572	6 631	6 684	6 654	6 546	6 531	6 441	6 314	6 318	6 336	6 497
1984 ---	6 512	6 715	6 850	6 926	7 005	6 991	6 962	6 944	6 852	6 785	6 789	6 909
1985 ---	7 016	7 254	7 356	7 364	7 347	7 382	7 323	7 095	6 994	6 735	6 840	6 912
1986 ---	6 916	7 083	7 154	7 170	7 207	7 148	7 106	7 147	6 828	6 737	6 868	6 967
1987 ---	7 234	7 204	7 321	7 292	7 351	7 239	7 197	7 136	6 963	6 892	6 946	7 033
1988 ---	7 134	7 297	7 307	7 352	7 498	7 293	7 356	7 264	7 216	7 237	7 247	7 374
1989 ---	7 522	7 744	7 805	7 884	8 012	7 830	7 924	7 744	7 630	7 600	7 600	7 647
1990 ---	7 722	7 893	7 872	7 940	7 901	7 827	7 846	7 771	7 724	7 811	7 854	8 018
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 636	6 685	6 606	6 567	6 564	6 534	6 496	6 548	6 544	6 588	6 553	6 506
1983 ---	6 353	6 425	6 428	6 464	6 447	6 439	6 497	6 490	6 485	6 564	6 577	6 628
1984 ---	6 572	6 586	6 657	6 717	6 799	6 876	6 915	6 986	7 029	7 032	7 029	7 041
1985 ---	7 083	7 135	7 162	7 160	7 138	7 260	7 131	7 170	6 970	7 070	7 043	7 043
1986 ---	6 977	6 973	6 978	6 988	7 003	7 037	7 035	7 182	6 996	6 968	7 087	7 096
1987 ---	7 290	7 091	7 151	7 117	7 144	7 140	7 122	7 177	7 136	7 119	7 156	7 162
1988 ---	7 178	7 177	7 147	7 181	7 289	7 210	7 277	7 310	7 396	7 465	7 458	7 504
1989 ---	7 562	7 613	7 641	7 703	7 793	7 755	7 839	7 797	7 821	7 827	7 818	7 780
1990 ---	7 756	7 757	7 713	7 759	7 686	7 760	7 761	7 828	7 911	8 039	8 078	8 157
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.7	-1.2	-.6	-.5	-.6	-.8	-.1	7	-.5	-.7	-.7
1983 ---	-2.4	1.1	-.2	-.9	-.3	-.1	-.9	-.1	1.2	-.2	-.8	-.8
1984 ---	-.8	2	1.1	1.2	1.1	1.1	.6	1.0	.6	-.2	-.2	-.2
1985 ---	-.6	7	4	-.3	1.7	2.6	-.1	1.8	5	1.4	1.4	1.4
1986 ---	-.9	-.1	1	-.2	-.5	-.1	-.1	2.1	-.6	-.4	1.7	1.7
1987 ---	2.7	-2.7	8	-.5	-.4	-.1	-.3	8	-.6	-.2	-.5	-.5
1988 ---	2	-	-.4	1.5	1.5	-.1	-.9	5	1.2	-.9	-.1	-.6
1989 ---	8	7	4	8	1.2	-.5	1.1	-.5	3	1	-.1	-.5
1990 ---	-.3	-.7	-.6	6	-.9	1.0	-.9	1.1	1.1	1.6	1.6	1.0
<b>PRIMARY METALS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	28 427	28 362	27 969	27 448	27 143	26 589	26 431	25 992	25 485	25 227	24 705	23 897
1983 ---	23 498	23 380	22 740	23 207	23 183	22 756	22 705	22 578	22 310	22 321	22 523	22 035
1984 ---	21 976	22 266	22 474	22 964	23 486	23 399	23 498	23 524	23 419	22 952	22 667	22 184
1985 ---	21 559	21 267	21 431	21 366	21 287	21 145	20 960	20 751	20 606	20 311	20 215	19 807
1986 ---	19 693	19 647	19 438	19 484	19 523	19 375	19 310	18 752	18 320	18 000	18 118	18 334
1987 ---	18 225	17 860	17 716	17 924	17 858	17 763	17 881	17 997	18 214	18 398	18 766	18 978
1988 ---	19 476	19 846	19 955	20 252	20 501	20 307	20 646	20 947	21 335	21 645	21 929	22 270
1989 ---	22 814	22 970	22 895	23 312	23 637	23 405	23 592	23 281	23 080	22 785	22 808	22 547
1990 ---	22 725	22 769	22 196	22 500	22 603	22 653	23 004	23 257	23 547	23 478	23 485	23 542
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	28 822	28 619	28 125	27 397	26 862	26 474	26 128	25 797	25 490	25 219	24 697	24 174
1983 ---	23 798	23 574	22 843	23 132	22 928	22 636	22 474	22 431	22 300	22 333	22 542	22 311
1984 ---	22 232	22 436	22 585	22 870	23 228	23 256	23 286	23 383	23 392	22 981	22 691	22 448
1985 ---	21 766	21 401	21 536	21 265	21 061	21 022	20 810	20 663	20 595	20 366	20 254	20 027
1986 ---	19 799	19 722	19 527	19 387	19 335	19 289	19 216	18 718	18 336	18 090	18 170	18 498
1987 ---	18 231	17 868	17 774	17 823	17 693	17 722	17 826	18 007	18 249	18 506	18 834	19 124
1988 ---	19 399	19 805	20 024	20 158	20 330	20 310	20 604	20 980	21 380	21 775	21 993	22 391
1989 ---	22 670	22 889	22 991	23 229	23 454	23 453	23 556	23 323	23 122	22 916	22 867	22 663
1990 ---	22 547	22 681	22 297	22 431	22 435	22 723	22 974	23 301	23 584	23 612	23 544	23 651
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.7	-1.7	-2.6	-2.0	-1.4	-1.3	-1.3	-1.2	-1.1	-2.1	-2.1
1983 ---	-1.6	-.9	-3.1	1.3	-.9	-1.3	-.7	-.2	-.6	.1	-.9	-1.0
1984 ---	-.4	-.9	7	1.3	1.6	-.1	1	-.4	-.3	-1.8	-1.3	-1.1
1985 ---	-3.0	-1.7	6	-1.3	-1.0	-.2	-1.0	-.7	-.3	-1.1	-.5	-1.1
1986 ---	-1.1	-.4	-1.0	-.7	-.3	-.2	-.4	-.6	-2.0	-1.3	4	1.8
1987 ---	-1.4	-2.0	-.5	3	-.7	2	6	1.0	1.3	1.4	1.8	1.5
1988 ---	1.4	2.1	1.1	7	9	-.1	1.4	1.8	1.9	1.8	1.0	1.8
1989 ---	1.2	1.0	4	1.0	1.0	-.1	4	-1.0	-.9	-.9	-.2	-.9
1990 ---	-.5	6	-1.7	6	-.1	1.3	1.1	1.4	1.2	1	-.3	.5

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>BLAST FURNACES, STEEL MILLS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	15 317	15 089	14 849	14 553	14 493	14 220	14 181	13 911	13 549	13 361	13 017	12 541
1983	11 956	11 698	11 160	11 472	11 505	11 335	11 447	11 274	11 106	11 176	11 263	11 043
1984	10 771	10 807	10 763	10 993	11 438	11 509	11 781	11 857	11 827	11 577	11 428	11 062
1985	10 664	10 295	10 236	10 199	10 275	10 262	10 288	10 245	10 188	10 083	10 096	9 720
1986	9 472	9 448	9 309	9 359	9 556	9 465	9 424	9 012	8 680	8 452	8 650	8 615
1987	8 446	8 136	7 921	7 949	8 048	8 061	8 151	8 245	8 339	8 513	8 668	8 672
1988	8 908	8 992	8 951	9 157	9 364	9 363	9 618	9 795	10 029	10 201	10 315	10 611
1989	10 659	10 674	10 708	10 861	11 028	10 979	11 206	11 182	11 145	11 077	11 194	11 040
1990	11 159	11 089	10 685	10 815	10 835	10 763	11 047	11 192	11 385	11 369	11 501	11 772
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	15 788	15 530	15 294	14 833	14 439	14 143	13 836	13 606	13 367	13 136	12 779	12 556
1983	12 310	12 028	11 490	11 688	11 462	11 266	11 180	11 042	10 962	10 999	11 060	11 066
1984	11 066	11 084	11 071	11 188	11 396	11 433	11 538	11 641	11 687	11 413	11 226	11 090
1985	10 906	10 515	10 516	10 368	10 241	10 199	10 116	10 090	10 078	9 955	9 934	9 747
1986	9 620	9 604	9 550	9 499	9 529	9 426	9 313	8 909	8 600	8 366	8 524	8 617
1987	8 503	8 234	8 122	8 062	8 027	8 057	8 085	8 179	8 271	8 444	8 559	8 650
1988	8 892	9 071	9 170	9 280	9 346	9 400	9 568	9 741	9 958	10 136	10 197	10 539
1989	10 581	10 747	10 861	11 002	11 020	11 066	11 159	11 132	11 067	11 018	11 081	10 946
1990	11 040	11 155	10 928	10 947	10 836	10 873	11 006	11 145	11 304	11 313	11 386	11 656
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-1.6	-1.5	-3.0	-2.7	-2.1	-2.2	-1.7	-1.8	-1.7	-2.7	-1.7
1983	-2.0	-2.3	-4.5	1.7	-1.9	-1.7	-8	-1.2	-1.1	3	6	1
1984	-	2	-1	1.1	1.9	3	9	4	-2.3	-1.6	-1.2	-1.2
1985	-1.7	-3.6	-	-1.4	-1.2	-4	-8	-3	-1	-1.2	-2	-1.9
1986	-1.3	-2	-6	-5	3	-1.1	-1.2	-4.3	-3.5	-2.7	1.9	1.1
1987	-1.3	-3.2	-1.4	-7	-4	4	3	1.2	1.1	2.1	1.4	1.1
1988	2.8	2.0	1.1	1.2	7	6	1.8	1.8	2.2	1.8	6	3.4
1989	4	1.6	2.0	4	2	4	8	-2	-6	-4	6	-1.2
1990	8	1.0	-2.0	2	-1.0	3	1.2	1.3	1.4	1	7	2.4
<b>IRON AND STEEL FOUNDRIES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	1 453	1 511	1 445	1 425	1 364	1 343	1 322	1 302	1 340	1 336	1 306	1 251
1983	1 246	1 273	1 291	1 334	1 298	1 254	1 206	1 219	1 218	1 202	1 184	1 209
1984	1 234	1 295	1 331	1 344	1 377	1 328	1 298	1 282	1 269	1 278	1 297	1 280
1985	1 349	1 390	1 407	1 394	1 335	1 299	1 234	1 221	1 224	1 200	1 191	1 206
1986	1 228	1 323	1 298	1 284	1 258	1 222	1 204	1 159	1 179	1 148	1 127	1 157
1987	1 170	1 208	1 237	1 282	1 276	1 252	1 232	1 176	1 193	1 193	1 212	1 238
1988	1 264	1 313	1 352	1 339	1 301	1 273	1 245	1 284	1 290	1 303	1 320	1 372
1989	1 462	1 509	1 547	1 502	1 450	1 466	1 475	1 436	1 403	1 386	1 380	1 411
1990	1 418	1 429	1 409	1 445	1 445	1 444	1 393	1 406	1 408	1 390	1 374	1 408
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	1 458	1 482	1 392	1 359	1 309	1 327	1 350	1 336	1 369	1 376	1 355	1 286
1983	1 251	1 245	1 240	1 272	1 247	1 243	1 231	1 253	1 242	1 239	1 227	1 245
1984	1 241	1 263	1 275	1 279	1 325	1 316	1 323	1 319	1 296	1 322	1 347	1 317
1985	1 357	1 353	1 343	1 323	1 285	1 287	1 255	1 257	1 256	1 247	1 241	1 242
1986	1 233	1 285	1 294	1 218	1 214	1 211	1 225	1 193	1 215	1 196	1 175	1 186
1987	1 169	1 171	1 173	1 220	1 235	1 242	1 254	1 209	1 231	1 244	1 265	1 267
1988	1 258	1 272	1 281	1 278	1 261	1 264	1 269	1 317	1 332	1 356	1 377	1 401
1989	1 450	1 462	1 465	1 438	1 408	1 457	1 506	1 469	1 448	1 444	1 440	1 442
1990	1 401	1 384	1 334	1 385	1 404	1 435	1 425	1 436	1 455	1 448	1 434	1 439
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	1.6	-6.1	-2.4	-3.7	1.4	1.7	-1.0	2.5	.5	-1.5	-5.1
1983	-2.7	-5	-4	2.6	-2.0	-3	-1.0	1.8	-9	-2	-1.0	1.5
1984	-3	1.8	1.0	3	3.6	-7	5	-3	-1.7	2.0	1.9	-2.2
1985	3.0	-3	-7	-1.5	-2.9	-2	-2.5	-2	-1	-7	-5	1
1986	-7	4.2	-4.0	-1.3	-3	-2	1.2	-2.6	1.6	-1.6	-1.6	9
1987	-1.4	2	2	4.0	1.2	6	1.0	-3.6	1.8	1.1	1.7	2
1988	-7	1.1	7	-2	-1.3	3	4	3.8	1.1	2.0	1.4	1.7
1989	3.5	6	2	-1.6	-2.1	3.5	3.4	-2.5	-1.4	-3	-3	1
1990	-2.8	-1.2	-3.6	3.8	1.4	2.2	-7	8	1.3	-5	-1.0	3

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONFERROUS AND OTHER PRIMARY METALS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	11 657	11 762	11 675	11 470	11 286	11 026	10 928	10 779	10 596	10 530	10 380	10 105
1983 ---	10 296	10 409	10 289	10 401	10 380	10 167	10 052	10 085	9 986	9 943	10 076	9 783
1984 ---	9 971	10 164	10 380	10 627	10 671	10 562	10 419	10 385	10 323	10 097	9 942	9 842
1985 ---	9 546	9 582	9 788	9 773	9 677	9 584	9 438	9 285	9 194	9 028	8 928	8 879
1986 ---	8 993	8 876	8 831	8 841	8 709	8 688	8 682	8 581	8 461	8 400	8 341	8 562
1987 ---	8 609	8 516	8 558	8 693	8 534	8 450	8 498	8 576	8 682	8 692	8 886	9 068
1988 ---	9 304	9 541	9 652	9 756	9 836	9 671	9 783	9 868	10 016	10 141	10 294	10 287
1989 ---	10 693	10 787	10 640	10 949	11 159	10 960	10 911	10 663	10 532	10 322	10 234	10 096
1990 ---	10 148	10 251	10 102	10 240	10 323	10 446	10 564	10 659	10 754	10 719	10 610	10 362
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 576	11 607	11 439	11 205	11 114	11 004	10 942	10 855	10 754	10 707	10 563	10 332
1983 ---	10 237	10 301	10 113	10 172	10 219	10 127	10 063	10 136	10 096	10 095	10 255	10 000
1984 ---	9 925	10 089	10 239	10 403	10 507	10 507	10 425	10 423	10 409	10 246	10 118	10 041
1985 ---	9 503	9 533	9 677	9 574	9 535	9 536	9 439	9 316	9 261	9 161	9 079	9 038
1986 ---	8 946	8 833	8 743	8 670	8 592	8 652	8 678	8 616	8 521	8 528	8 471	8 695
1987 ---	8 559	8 463	8 479	8 541	8 431	8 423	8 487	8 619	8 747	8 818	9 010	9 207
1988 ---	9 249	9 462	9 573	9 600	9 723	9 646	9 767	9 922	10 090	10 281	10 419	10 451
1989 ---	10 639	10 680	10 565	10 789	11 026	10 930	10 891	10 722	10 606	10 454	10 347	10 273
1990 ---	10 106	10 142	10 035	10 099	10 193	10 415	10 543	10 720	10 825	10 851	10 722	10 554
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.3	-1.4	-2.0	-.8	-1.0	-.6	-.8	-.9	-.4	-1.3	-2.2
1983 ---	-.9	.6	-1.8	.6	.5	-.9	-.6	.7	-.4	-.6	1.6	-2.5
1984 ---	-.8	1.7	1.5	1.6	1.0	-.7	-.8	-.1	-.1	-1.6	-1.2	-.8
1985 ---	-5.4	.3	1.5	-1.1	-.4	-.7	-1.0	-1.3	-.6	-1.1	-.9	-.5
1986 ---	-1.0	-1.3	-1.0	-.8	-.9	-.7	-.3	-.7	-1.1	-.1	-.7	2.6
1987 ---	-1.6	-1.1	.2	.7	-1.3	-.1	.8	1.6	1.5	.8	2.2	2.2
1988 ---	.5	2.3	1.2	.3	1.3	-.8	1.3	1.6	1.7	1.9	1.3	.3
1989 ---	1.8	.4	-1.1	2.1	2.2	-.9	-.4	-1.6	-1.1	-1.4	-1.0	-.7
1990 ---	-1.6	.4	-1.1	.6	.9	2.2	1.2	1.7	1.0	.2	-1.2	-1.6
<b>FABRICATED METAL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	23 835	24 076	24 067	24 023	23 955	23 780	23 188	22 934	22 518	22 120	21 339	21 098
1983 ---	21 133	21 295	21 255	21 421	21 483	21 538	21 453	21 539	21 232	21 030	21 196	21 416
1984 ---	21 758	22 174	22 419	22 581	22 752	23 092	22 657	22 645	22 721	22 867	22 993	22 955
1985 ---	23 038	23 165	23 396	23 305	22 991	23 115	22 344	22 311	22 229	22 715	22 470	22 541
1986 ---	22 577	22 677	22 758	23 033	22 909	22 936	22 507	22 299	22 113	22 920	21 691	21 754
1987 ---	22 056	22 221	22 533	22 485	22 432	22 405	22 229	22 165	22 311	22 404	22 433	22 555
1988 ---	23 135	23 501	23 514	23 961	24 031	23 866	23 685	24 022	24 278	24 223	24 354	24 381
1989 ---	25 031	25 088	25 492	25 552	25 513	25 178	25 369	25 322	25 012	24 817	24 758	24 209
1990 ---	25 261	25 265	25 135	25 204	25 054	24 700	24 640	24 648	24 452	24 699	24 592	24 190
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 909	23 825	23 661	23 591	23 520	23 355	23 100	23 058	22 969	22 558	21 852	21 440
1983 ---	21 199	21 085	20 918	21 042	21 101	21 139	21 388	21 655	21 552	21 352	21 631	21 753
1984 ---	21 834	22 016	22 122	22 237	22 419	22 693	22 614	22 733	22 996	23 155	23 388	23 328
1985 ---	23 111	23 037	23 103	22 952	22 658	22 713	22 320	22 449	22 499	23 006	22 807	22 901
1986 ---	22 617	22 595	22 496	22 698	22 596	22 595	22 503	22 432	22 347	22 167	21 983	22 109
1987 ---	22 069	22 157	22 296	22 169	22 143	22 142	22 245	22 297	22 520	22 633	22 704	22 920
1988 ---	23 115	23 444	23 270	23 621	23 720	23 652	23 712	24 136	24 476	24 444	24 620	24 781
1989 ---	24 981	25 021	25 215	25 176	25 184	25 010	25 411	25 443	25 230	25 035	25 030	24 600
1990 ---	25 195	25 199	24 879	24 840	24 736	24 546	24 683	24 759	24 653	24 904	24 863	24 585
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.4	-.7	-.3	-.3	-.7	-1.1	-.2	-.4	-1.8	-3.1	-1.9
1983 ---	-1.1	-.5	-.8	.6	.3	.2	1.2	1.2	-.5	-.9	1.3	.6
1984 ---	.4	.8	.5	.5	.8	1.2	-.3	.5	1.2	.7	1.0	-.3
1985 ---	-.9	-.3	.3	-.7	-1.3	.2	-1.7	.6	.2	2.3	-.9	.4
1986 ---	-1.2	-.1	-.4	.9	-.4	-.4	-.4	-.3	-.4	-.8	-.8	.6
1987 ---	-.2	.4	.6	-.6	-.1	-.5	.5	.2	1.0	.5	.3	1.0
1988 ---	.9	1.4	-.7	1.5	.4	-.3	-.3	1.8	1.4	-.1	.7	.7
1989 ---	.8	.2	.8	-.2	-.7	-.8	1.6	.1	-.8	-.8	-.7	-1.7
1990 ---	2.4	-.2	-1.3	-.2	-.4	-.8	.6	.3	-.4	1.0	-.2	-1.1

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	50 134	50 797	50 793	51 387	51 574	50 914	50 546	50 005	49 086	49 152	48 252	47 024
1983 ---	46 787	47 090	46 411	46 330	46 400	45 734	44 947	44 773	44 407	44 314	44 438	43 710
1984 ---	44 256	44 995	45 215	46 120	46 630	46 611	47 015	48 060	47 666	48 267	48 483	47 802
1985 ---	48 952	49 559	49 099	49 477	49 369	48 654	48 434	48 220	47 378	46 983	46 479	45 619
1986 ---	45 876	46 022	45 600	45 233	45 130	44 000	43 783	43 577	43 120	43 035	42 992	41 590
1987 ---	41 891	42 375	42 115	42 621	42 712	42 195	42 199	42 457	41 667	42 267	42 611	42 279
1988 ---	43 136	44 001	44 121	44 580	45 106	44 948	45 529	46 110	46 150	46 523	46 949	46 515
1989 ---	47 994	48 505	48 273	48 477	48 767	48 455	48 936	49 224	48 666	48 978	49 160	47 604
1990 ---	48 677	49 295	48 386	48 875	49 183	48 039	48 377	48 548	48 109	48 360	48 498	46 726
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	50 256	50 208	50 205	50 585	50 695	50 540	50 545	50 162	49 654	49 822	48 810	47 885
1983 ---	46 959	46 594	45 982	45 688	45 662	45 501	44 946	44 805	44 821	44 749	44 865	44 555
1984 ---	44 459	44 540	44 878	45 556	45 951	46 448	47 001	47 998	48 059	48 592	48 832	48 724
1985 ---	49 204	49 131	48 823	48 934	48 732	48 569	48 409	48 099	47 742	47 201	46 696	46 481
1986 ---	46 066	45 641	45 413	44 798	44 632	43 976	43 747	43 439	43 450	43 206	43 129	42 379
1987 ---	42 023	42 029	41 968	42 255	42 280	42 202	42 134	42 298	41 989	42 393	42 693	43 110
1988 ---	43 253	43 629	43 995	44 218	44 668	44 965	45 456	46 110	46 524	46 631	46 999	47 435
1989 ---	48 117	48 087	48 165	48 127	48 302	48 490	48 846	48 990	49 047	49 057	49 178	48 557
1990 ---	48 784	48 882	48 315	48 556	48 731	48 078	48 289	48 294	48 457	48 409	48 499	47 724
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-	8	2	-3	-	-8	-10	3	-20	-19
1983 ---	-19	-8	-13	-6	-1	-4	-12	-3	-	-2	3	-7
1984 ---	-2	2	8	15	9	11	12	21	1	11	5	-2
1985 ---	10	-1	-6	2	-4	-3	-3	-6	-7	-11	-11	-5
1986 ---	-9	-9	-5	-14	-4	-15	-5	-7	-	-6	-2	-17
1987 ---	-8	-	-1	7	1	-2	-2	4	-7	10	7	10
1988 ---	3	9	8	5	10	7	11	10	13	2	8	9
1989 ---	14	-1	2	-1	4	4	7	3	1	-	2	-13
1990 ---	5	2	-12	5	4	-13	4	-	3	-1	2	-16
<b>ENGINES AND TURBINES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 736	3 788	3 759	3 817	3 780	3 680	3 659	3 525	3 409	3 425	3 334	3 277
1983 ---	3 256	3 252	3 117	3 138	3 174	3 144	3 184	3 171	3 142	3 236	3 131	3 013
1984 ---	3 035	3 222	3 236	3 382	3 483	3 401	3 486	3 567	3 335	3 447	3 400	3 019
1985 ---	3 178	3 205	3 010	3 057	3 185	3 079	3 018	3 027	2 948	3 007	2 980	2 652
1986 ---	2 713	2 749	2 785	2 777	2 788	2 729	2 772	2 793	2 744	2 766	2 781	2 504
1987 ---	2 553	2 647	2 669	2 746	2 779	2 801	2 849	2 818	2 809	2 889	2 879	2 656
1988 ---	2 755	2 903	2 928	3 012	3 105	3 185	3 244	3 316	3 370	3 497	3 566	3 099
1989 ---	3 269	3 373	3 372	3 470	3 522	3 586	3 701	3 719	3 601	3 679	3 688	3 036
1990 ---	3 205	3 301	3 370	3 458	3 530	3 504	3 608	3 670	3 634	3 806	3 881	3 362
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 735	3 688	3 727	3 744	3 710	3 661	3 663	3 559	3 481	3 432	3 342	3 378
1983 ---	3 293	3 193	3 111	3 094	3 112	3 128	3 156	3 164	3 185	3 201	3 114	3 147
1984 ---	3 104	3 197	3 253	3 358	3 413	3 381	3 435	3 527	3 359	3 385	3 357	3 173
1985 ---	3 269	3 208	3 029	3 041	3 125	3 061	2 973	2 975	2 946	2 931	2 908	2 819
1986 ---	2 813	2 773	2 820	2 773	2 744	2 708	2 722	2 727	2 724	2 684	2 693	2 687
1987 ---	2 680	2 700	2 724	2 753	2 742	2 774	2 778	2 729	2 766	2 789	2 770	2 870
1988 ---	2 913	2 973	2 994	3 017	3 073	3 152	3 159	3 207	3 309	3 363	3 419	3 355
1989 ---	3 468	3 459	3 452	3 476	3 490	3 545	3 592	3 583	3 528	3 524	3 522	3 312
1990 ---	3 421	3 403	3 459	3 466	3 498	3 458	3 488	3 525	3 547	3 625	3 693	3 726
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-13	11	5	-9	-13	1	-28	-22	-14	-26	11
1983 ---	-25	-30	-26	-5	6	5	9	3	7	5	-27	11
1984 ---	-14	30	18	32	16	-9	16	27	-48	8	-8	-55
1985 ---	30	-19	-56	4	28	-20	-29	1	-10	-5	-8	-31
1986 ---	-2	-14	17	-17	-10	-13	5	2	-1	-15	-3	-2
1987 ---	-3	7	9	11	-4	12	1	-18	14	8	-7	36
1988 ---	15	21	7	8	19	26	2	15	32	16	17	-19
1989 ---	34	-3	7	4	16	16	13	-3	-15	-1	-1	-60
1990 ---	33	-5	16	2	9	-11	9	11	6	22	19	9

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>FARM AND GARDEN MACHINERY—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 354	3 402	3 410	3 365	3 318	3 293	3 114	3 060	3 023	3 005	2 712	2 772
1983 ---	2 676	2 801	2 722	2 766	2 747	2 810	2 703	2 758	2 867	2 733	2 856	2 769
1984 ---	2 905	3 036	2 897	2 966	2 895	2 919	2 814	3 012	3 023	2 870	2 968	2 887
1985 ---	2 946	2 962	2 906	2 783	2 671	2 640	2 604	2 582	2 512	2 405	2 367	2 539
1986 ---	2 493	2 628	2 556	2 412	2 375	2 271	2 197	2 158	2 111	2 117	2 132	2 171
1987 ---	2 183	2 253	2 267	2 174	2 152	2 048	2 019	2 025	2 019	2 093	2 099	2 166
1988 ---	2 371	2 410	2 447	2 385	2 360	2 369	2 349	2 457	2 490	2 513	2 580	2 542
1989 ---	2 741	2 761	2 759	2 658	2 606	2 603	2 454	2 436	2 416	2 361	2 418	2 542
1990 ---	2 564	2 631	2 646	2 582	2 560	2 529	2 490	2 503	2 547	2 494	2 567	2 521
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 318	3 214	3 245	3 237	3 242	3 234	3 167	3 116	3 085	3 195	2 881	2 824
1983 ---	2 645	2 646	2 596	2 676	2 703	2 777	2 764	2 805	2 909	2 885	3 010	2 806
1984 ---	2 868	2 867	2 763	2 884	2 864	2 907	2 890	3 068	3 070	3 008	3 106	2 904
1985 ---	2 900	2 796	2 765	2 716	2 652	2 652	2 689	2 637	2 564	2 506	2 479	2 538
1986 ---	2 443	2 482	2 423	2 359	2 362	2 299	2 274	2 213	2 171	2 201	2 203	2 157
1987 ---	2 130	2 127	2 142	2 129	2 140	2 083	2 095	2 085	2 088	2 174	2 157	2 257
1988 ---	2 304	2 277	2 310	2 336	2 346	2 413	2 442	2 540	2 580	2 610	2 644	2 589
1989 ---	2 654	2 611	2 605	2 603	2 591	2 556	2 523	2 500	2 454	2 454	2 470	2 521
1990 ---	2 475	2 492	2 500	2 527	2 548	2 575	2 596	2 592	2 632	2 594	2 620	2 502
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3.1	1.0	-2	.2	-2	-2.1	-1.6	-1.0	3.6	-9.8	-2.0
1983 ---	-6.3	-	-1.9	3.1	1.0	2.7	-5	1.5	3.7	-8	4.3	-6.8
1984 ---	2.2	-	-3.6	4.4	-7	1.5	-6	6.2	.1	-2.0	3.3	-6.5
1985 ---	-1	-3.6	-1.1	-1.8	-2.4	-	1.4	-1.9	-2.8	-2.3	-1.1	2.4
1986 ---	-3.7	1.6	-2.4	-2.6	.1	-2.7	-1.1	-2.7	-1.9	1.4	.1	-2.1
1987 ---	-1.3	-1	7	-6	5	-2.7	.6	-5	.1	4.1	-8	4.6
1988 ---	2.1	-1.2	1.4	1.1	.4	2.9	1.2	4.0	1.6	1.2	1.3	-2.1
1989 ---	2.5	-1.6	-2	-1	-5	2.3	-3.6	-1.3	-9	-1.8	.7	2.1
1990 ---	-1.8	7	3	1.1	.8	1.1	.8	-2	1.5	-1.4	1.0	-4.5
<b>CONSTRUCTION, MINING, AND MATERIAL HANDLING EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	12 189	12 531	12 834	13 218	13 401	13 150	13 033	12 926	12 413	12 424	12 171	11 894
1983 ---	11 673	11 597	11 353	11 068	10 936	10 615	10 175	10 075	9 874	9 774	9 721	9 452
1984 ---	9 490	9 410	9 407	9 517	9 428	9 159	9 088	9 186	9 247	9 247	9 243	9 094
1985 ---	8 940	8 921	8 917	8 818	8 775	8 523	8 299	8 234	8 091	7 907	7 749	7 765
1986 ---	7 664	7 655	7 507	7 279	7 236	6 898	6 898	6 959	6 933	6 933	6 805	6 527
1987 ---	6 569	6 618	6 482	6 427	6 320	6 177	6 095	6 285	6 063	6 066	6 089	6 122
1988 ---	6 335	6 340	6 411	6 413	6 439	6 345	6 351	6 435	6 382	6 487	6 491	6 601
1989 ---	6 679	6 794	6 673	6 720	6 705	6 731	6 618	6 613	6 571	6 534	6 492	6 441
1990 ---	6 637	6 715	6 619	6 670	6 655	6 607	6 490	6 531	6 544	6 571	6 571	6 667
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 174	12 392	12 610	12 957	13 142	13 064	13 093	13 014	12 668	12 672	12 299	12 043
1983 ---	11 652	11 461	11 161	10 859	10 730	10 589	10 287	10 137	10 048	9 918	9 798	9 556
1984 ---	9 470	9 294	9 255	9 359	9 268	9 165	9 229	9 342	9 315	9 342	9 298	9 190
1985 ---	8 915	8 804	8 787	8 689	8 645	8 553	8 439	8 276	8 185	7 964	7 788	7 840
1986 ---	7 637	7 547	7 409	7 187	7 148	6 898	6 898	6 993	6 975	6 975	6 845	6 592
1987 ---	6 537	6 520	6 407	6 353	6 254	6 203	6 176	6 314	6 119	6 100	6 135	6 187
1988 ---	6 296	6 242	6 346	6 342	6 379	6 361	6 425	6 465	6 440	6 527	6 554	6 678
1989 ---	6 630	6 681	6 612	6 642	6 643	6 741	6 690	6 644	6 634	6 579	6 567	6 518
1990 ---	6 581	6 597	6 560	6 590	6 594	6 613	6 563	6 583	6 608	6 619	6 654	6 745
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.8	1.8	2.8	1.4	-6	.2	-6	-2.7	-	-2.9	-2.1
1983 ---	-3.2	-1.6	-2.6	-2.7	-1.2	-1.3	-2.9	-1.5	-9	-1.3	-1.2	-2.5
1984 ---	-9	-1.9	-4	1.1	-1.0	-1.1	7	1.2	-3	.3	-5	-1.2
1985 ---	-3.0	-1.2	-2	-1.1	-5	-1.1	-1.3	-1.9	-1.1	-2.7	-1.9	.7
1986 ---	-2.6	-1.2	-1.8	-3.0	-5	-1.1	-9	-9	1.0	-1.3	-1.9	-3.7
1987 ---	-8	-3	-1.7	-8	-1.6	-8	-4	2.2	-3.1	-3	6	.8
1988 ---	1.8	-9	1.7	-1	6	-3	1.0	6	-4	1.4	4	1.9
1989 ---	-7	8	-1.0	5	-	1.5	-8	-7	-2	-8	-2	-7
1990 ---	1.0	2	-6	5	1	3	-8	-	.7	2	5	1.4

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>METALWORKING MACHINERY—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	5 389	5 506	5 464	5 451	5 416	5 362	5 246	5 191	5 102	5 110	5 034	4 749
1983 ---	4 694	4 679	4 621	4 615	4 599	4 594	4 564	4 529	4 469	4 418	4 410	4 349
1984 ---	4 377	4 426	4 454	4 508	4 546	4 590	4 571	4 652	4 705	4 698	4 716	4 608
1985 ---	4 838	4 873	4 923	5 018	5 059	5 110	5 128	5 170	5 115	5 115	5 125	5 068
1986 ---	5 148	5 181	5 107	4 991	5 042	4 954	4 961	4 973	4 954	4 925	4 935	4 820
1987 ---	4 886	4 911	4 907	4 976	4 927	4 919	4 879	4 867	4 815	4 815	4 791	4 743
1988 ---	4 790	4 823	4 814	4 910	4 934	4 923	5 026	5 122	5 121	5 037	5 087	5 061
1989 ---	5 243	5 322	5 242	5 315	5 395	5 292	5 340	5 351	5 281	5 300	5 178	5 012
1990 ---	5 057	5 092	5 036	5 152	5 173	4 992	5 042	5 112	5 092	5 184	5 122	4 875
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 431	5 514	5 441	5 394	5 347	5 306	5 215	5 163	5 115	5 151	5 067	4 854
1983 ---	4 730	4 684	4 606	4 571	4 549	4 550	4 540	4 502	4 473	4 447	4 435	4 444
1984 ---	4 408	4 427	4 445	4 470	4 505	4 551	4 551	4 621	4 706	4 722	4 740	4 703
1985 ---	4 867	4 872	4 920	4 976	5 021	5 078	5 110	5 132	5 109	5 134	5 150	5 172
1986 ---	5 172	5 177	5 114	4 950	5 005	4 936	4 942	4 930	4 945	4 839	4 861	4 820
1987 ---	4 906	4 903	4 922	4 934	4 885	4 917	4 859	4 819	4 801	4 823	4 815	4 848
1988 ---	4 813	4 812	4 838	4 867	4 885	4 931	5 002	5 065	5 103	5 041	5 112	5 177
1989 ---	5 276	5 309	5 275	5 266	5 332	5 310	5 314	5 285	5 257	5 350	5 205	5 133
1990 ---	5 095	5 079	5 072	5 104	5 108	5 011	5 016	5 045	5 067	5 183	5 151	4 996
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.5	-1.3	-9	-9	-8	-1.7	-1.0	-9	.7	-1.6	-4.2
1983 ---	-2.6	-1.0	-4	-8	-5	-	-2	-8	-6	-6	-3	2
1984 ---	-8	.4	.4	6	.8	1.0	.5	1.5	1.8	.5	.3	-8
1985 ---	3.5	1	10	11	9	1.1	.6	1	1.4	3	4	4
1986 ---	-	1	-12	-32	1.1	-1.4	1	-2	1.3	1	4	-8
1987 ---	-3	-1	4	2	-10	7	-1.2	-4	-4	1	-2	7
1988 ---	-7	-	5	6	4	9	1.4	1.3	1	-1.2	1.4	1.3
1989 ---	1.9	6	-6	-2	1.3	-4	1	5	5	1.8	-2.7	-1.4
1990 ---	-7	-3	-1	6	1	-19	1	6	4	2.3	-6	-3.0
<b>COMPUTER AND OFFICE EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	8 987	9 120	9 095	9 234	9 470	9 437	9 641	9 668	9 656	9 750	9 662	9 366
1983 ---	9 496	9 728	9 670	9 762	9 932	9 920	10 046	10 076	9 903	9 923	9 948	9 912
1984 ---	9 866	10 137	10 306	10 691	11 073	11 210	11 757	12 031	11 865	12 373	12 399	12 573
1985 ---	12 682	12 868	12 688	13 038	12 919	12 675	12 768	12 658	12 352	12 242	11 904	11 525
1986 ---	11 443	11 506	11 395	11 418	11 375	10 777	10 667	10 585	10 088	10 131	9 916	9 472
1987 ---	9 468	9 576	9 431	9 700	9 944	9 682	9 766	9 939	9 552	9 782	9 893	9 856
1988 ---	9 946	10 244	10 221	10 495	10 702	10 699	11 024	11 182	11 065	11 314	11 311	11 171
1989 ---	11 484	11 619	11 425	11 582	11 651	11 379	11 940	12 058	11 765	11 979	12 385	11 844
1990 ---	11 814	11 963	11 525	11 980	12 169	11 428	11 873	12 103	11 735	11 618	11 490	10 677
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 141	9 164	9 208	9 248	9 372	9 401	9 489	9 512	9 618	9 695	9 685	9 556
1983 ---	9 674	9 771	9 789	9 749	9 816	9 892	9 878	9 901	9 887	9 866	9 987	10 124
1984 ---	10 062	10 179	10 430	10 640	10 932	11 183	11 564	11 807	11 883	12 309	12 452	12 849
1985 ---	12 937	12 919	12 832	12 936	12 742	12 656	12 572	12 413	12 415	12 181	11 952	11 776
1986 ---	11 658	11 536	11 525	11 309	11 221	10 777	10 516	10 377	10 166	10 086	9 943	9 669
1987 ---	9 628	9 583	9 539	9 612	9 812	9 704	9 643	9 741	9 644	9 736	9 896	10 052
1988 ---	10 096	10 232	10 346	10 420	10 565	10 745	10 899	10 949	11 183	11 263	11 284	11 375
1989 ---	11 643	11 593	11 572	11 527	11 507	11 448	11 815	11 799	11 894	11 922	12 334	12 047
1990 ---	11 964	11 931	11 682	11 940	12 026	11 508	11 748	11 843	11 857	11 561	11 438	10 854
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	3	5	4	1.3	3	.9	2	1.1	.8	-.1	-1.3
1983 ---	1.2	10	2	4	7	8	1	2	1	2	1.2	1.4
1984 ---	-6	1.2	2.5	20	2.7	2.3	3.4	2.1	6	3.6	1.2	3.2
1985 ---	7	-1	-7	8	-1.5	-7	-7	-1.3	-	-1.9	-1.9	-1.5
1986 ---	-10	-10	-1	-19	-8	-40	-2.4	-1.3	-20	-8	-1.4	-2.8
1987 ---	-4	-5	-5	8	2.1	-1.1	-6	10	-10	10	1.6	1.6
1988 ---	4	1.3	1.1	.7	1.4	1.7	1.4	5	2.1	7	3.2	8
1989 ---	2.4	-4	-2	-4	-2	-5	3.2	-1	.8	3.5	-2.3	-5.1
1990 ---	-7	-3	-2.1	2.2	.7	-4.3	2.1	8	1	-2.5	-1.1	-5.1

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—TOTAL INVENTORIES												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	25 661	25 887	26 042	26 227	26 232	26 043	25 678	25 534	25 074	25 065	24 948	24 502
1983 ---	24 608	24 660	24 712	25 080	25 416	25 658	25 367	25 604	25 461	25 728	25 778	26 277
1984 ---	26 354	27 158	27 783	28 513	29 131	29 457	29 771	30 330	30 440	31 058	31 079	30 871
1985 ---	31 407	31 732	31 918	32 236	32 532	32 513	32 211	31 996	31 347	30 878	30 158	29 791
1986 ---	29 831	29 832	29 932	30 274	30 400	30 358	30 130	29 926	29 410	29 180	28 610	27 920
1987 ---	28 293	28 578	28 830	29 214	29 577	29 483	29 326	29 313	29 116	29 262	29 220	29 087
1988 ---	29 343	29 756	29 918	30 237	30 565	30 558	30 515	30 732	30 432	30 635	30 948	30 733
1989 ---	31 098	31 711	31 516	32 024	32 074	31 496	31 619	31 752	31 011	31 137	30 817	30 360
1990 ---	30 832	31 148	31 114	31 423	31 592	31 145	31 175	31 059	30 533	30 459	30 242	29 347
Seasonally Adjusted—Millions of Dollars												
1982 ---	25 966	25 883	25 858	25 769	25 616	25 576	25 495	25 471	25 340	25 319	25 394	25 085
1983 ---	24 911	24 690	24 577	24 691	24 889	25 227	25 175	25 476	25 645	25 910	26 165	26 903
1984 ---	26 702	27 261	27 703	28 136	28 564	28 975	29 498	30 112	30 588	31 227	31 529	31 612
1985 ---	31 870	31 914	31 899	31 869	31 929	32 002	31 880	31 724	31 444	30 994	30 568	30 517
1986 ---	30 292	30 020	29 948	29 940	29 821	29 871	29 824	29 668	29 511	29 304	29 027	28 607
1987 ---	28 714	28 725	28 816	28 865	28 987	29 037	29 050	29 071	29 234	29 392	29 628	29 816
1988 ---	29 759	29 867	29 891	29 871	29 954	30 136	30 273	30 515	30 579	30 765	31 331	31 490
1989 ---	31 504	31 786	31 472	31 622	31 421	30 136	31 092	31 548	31 207	31 293	31 190	31 130
1990 ---	31 229	31 205	31 065	31 022	30 939	30 750	30 975	30 856	30 720	30 607	30 584	30 067
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	-3	-1	-3	-6	-2	-3	-1	-5	-1	.3	-1.2
1983 ---	-7	-9	-5	.5	.8	1.4	-2	1.2	.7	1.0	1.0	2.8
1984 ---	-7	2.1	1.6	1.6	1.5	1.4	1.8	2.1	1.6	2.1	1.0	.3
1985 ---	.8	1	-	-1	2	2	-4	-5	-9	-1.4	-1.4	-2
1986 ---	-7	-9	-2	-	-4	.2	-2	-5	-5	-7	-9	-1.4
1987 ---	.4	-	3	2	.4	.2	-	.1	.6	.5	.8	.6
1988 ---	-2	4	.1	-1	3	.6	.5	.8	.2	.6	1.8	.5
1989 ---	-	9	-1.0	5	-6	-1.0	1.0	.5	-1.1	.3	-3	-2
1990 ---	.3	-1	-4	-1	-3	-6	7	-4	-4	-4	-1	-1.7
ELECTRICAL TRANSMISSION AND DISTRIBUTION EQUIPMENT AND INDUSTRIAL APPARATUS—TOTAL INVENTORIES												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	5 036	5 064	5 061	5 100	5 092	5 054	4 917	4 894	4 792	4 801	4 748	4 621
1983 ---	4 534	4 536	4 480	4 509	4 561	4 508	4 459	4 469	4 489	4 581	4 524	4 513
1984 ---	4 573	4 686	4 700	4 823	4 920	4 952	4 974	5 040	4 996	5 107	5 111	5 029
1985 ---	5 194	5 269	5 080	5 131	5 287	5 213	5 179	5 169	5 119	5 069	4 890	4 744
1986 ---	4 786	4 736	4 770	4 796	4 806	4 760	4 724	4 661	4 597	4 581	4 560	4 367
1987 ---	4 509	4 562	4 566	4 611	4 580	4 473	4 434	4 431	4 344	4 321	4 291	4 287
1988 ---	4 351	4 440	4 455	4 544	4 599	4 566	4 554	4 600	4 608	4 637	4 637	4 666
1989 ---	4 714	4 736	4 765	4 860	4 727	4 687	4 664	4 670	4 641	4 663	4 629	4 647
1990 ---	4 717	4 754	4 729	4 748	4 689	4 618	4 633	4 597	4 519	4 573	4 582	4 463
Seasonally Adjusted—Millions of Dollars												
1982 ---	5 082	5 048	5 055	5 030	4 981	4 989	4 908	4 910	4 844	4 802	4 802	4 709
1983 ---	4 575	4 524	4 478	4 456	4 472	4 452	4 448	4 469	4 529	4 581	4 570	4 605
1984 ---	4 613	4 681	4 698	4 772	4 829	4 893	4 958	5 028	5 032	5 112	5 164	5 135
1985 ---	5 240	5 267	5 079	5 075	5 194	5 158	5 158	5 147	5 152	5 084	4 946	4 845
1986 ---	4 826	4 734	4 764	4 732	4 719	4 718	4 707	4 642	4 628	4 606	4 622	4 454
1987 ---	4 546	4 554	4 549	4 535	4 495	4 443	4 423	4 420	4 377	4 352	4 354	4 363
1988 ---	4 385	4 424	4 428	4 456	4 512	4 548	4 552	4 599	4 647	4 603	4 708	4 741
1989 ---	4 751	4 710	4 730	4 757	4 636	4 678	4 670	4 679	4 686	4 694	4 699	4 718
1990 ---	4 753	4 723	4 692	4 645	4 599	4 614	4 643	4 609	4 563	4 603	4 651	4 523
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	-7	1	-5	-1.0	2	-1.6	-	-1.3	-9	-	-1.9
1983 ---	-2.8	-1.1	-1.0	-5	.4	-.4	-.1	.5	1.3	1.1	-.2	.8
1984 ---	2	1.5	.4	1.6	1.2	1.3	1.3	1.4	.1	1.6	1.0	-.6
1985 ---	2.0	.5	-3.6	-.1	2.3	-.7	-	-.2	1	-1.3	-2.7	-2.0
1986 ---	-.4	-1.9	.6	-.7	-.3	-.	-.2	-1.4	-.3	-.5	.3	-3.6
1987 ---	2.1	.2	-.1	-.3	-.9	-1.2	-.5	-.1	-1.0	-.6	-	.2
1988 ---	.5	.9	.1	.6	1.3	.8	.1	1.0	1.0	-.9	2.3	.7
1989 ---	.2	-.9	.4	.6	-2.5	.9	-.2	.2	.1	.2	.1	.4
1990 ---	.7	-.6	-.7	-1.0	-1.0	.3	.6	-.7	-1.0	.9	1.0	-2.8

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOUSEHOLD APPLIANCES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 536	2 557	2 578	2 642	2 677	2 649	2 617	2 440	2 342	2 343	2 279	2 299
1983 ---	2 403	2 452	2 455	2 519	2 509	2 554	2 272	2 186	2 088	2 116	2 084	2 318
1984 ---	2 298	2 463	2 646	2 821	2 867	2 743	2 678	2 638	2 625	2 722	2 692	2 722
1985 ---	2 886	2 876	2 970	2 995	2 961	2 925	2 855	2 833	2 552	2 503	2 424	2 454
1986 ---	2 501	2 579	2 665	2 747	2 777	2 824	2 671	2 541	2 455	2 466	2 401	2 387
1987 ---	2 497	2 611	2 703	2 739	2 784	2 662	2 550	2 393	2 440	2 517	2 508	2 574
1988 ---	2 663	2 769	2 798	2 898	2 954	2 844	2 725	2 675	2 516	2 573	2 648	2 720
1989 ---	2 921	2 982	3 010	3 093	3 123	2 957	2 981	3 056	2 931	2 934	2 866	2 745
1990 ---	2 874	2 982	3 017	3 091	3 133	2 916	2 687	2 678	2 597	2 594	2 544	2 380
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 552	2 506	2 461	2 452	2 466	2 523	2 590	2 511	2 510	2 487	2 477	2 427
1983 ---	2 417	2 407	2 342	2 335	2 315	2 436	2 245	2 252	2 233	2 240	2 257	2 453
1984 ---	2 314	2 422	2 523	2 618	2 650	2 619	2 645	2 717	2 800	2 874	2 905	2 880
1985 ---	2 916	2 832	2 833	2 784	2 738	2 797	2 824	2 917	2 714	2 635	2 601	2 595
1986 ---	2 533	2 538	2 547	2 562	2 572	2 705	2 650	2 612	2 604	2 589	2 564	2 521
1987 ---	2 535	2 564	2 590	2 562	2 580	2 556	2 537	2 459	2 581	2 634	2 661	2 723
1988 ---	2 708	2 710	2 687	2 718	2 738	2 736	2 722	2 748	2 656	2 686	2 794	2 883
1989 ---	2 971	2 912	2 897	2 904	2 891	2 852	2 988	3 139	3 090	3 057	3 010	2 915
1990 ---	2 922	2 909	2 908	2 904	2 900	2 815	2 699	2 749	2 735	2 702	2 667	2 529
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.8	-1.8	-4	.6	2.3	2.7	-3.1	-	-9	-4	-2.0
1983 ---	-4	-4	-2.7	-3	-9	5.2	-7.8	.3	-8	.3	8	8.7
1984 ---	-5.7	4.7	4.2	3.8	1.2	-1.2	1.0	2.7	3.1	2.6	1.1	-9
1985 ---	1.3	-2.9	-	-1.7	-1.7	2.2	1.0	3.3	-7.0	-2.9	-1.3	-2
1986 ---	-2.4	2	.4	.6	4	5.2	-2.0	-1.4	-3	-6	-1.0	-1.7
1987 ---	6	1.1	1.0	-1.1	7	-9	-7	-3.1	5.0	2.1	1.0	2.3
1988 ---	-6	1	-8	1.2	.7	-1	-5	1.0	-3.3	1.1	4.0	3.2
1989 ---	3.1	-2.0	-5	2	-4	-1.3	4.8	5.1	-1.6	-1.1	-1.5	-3.2
1990 ---	2	-4	-	-1	-1	-2.9	-4.1	1.9	-5	-1.2	-1.3	-5.2
<b>ELECTRIC LIGHTING AND WIRING EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 271	2 297	2 306	2 352	2 368	2 346	2 289	2 318	2 274	2 270	2 260	2 193
1983 ---	2 235	2 256	2 259	2 322	2 364	2 414	2 350	2 377	2 379	2 381	2 400	2 400
1984 ---	2 401	2 432	2 479	2 549	2 594	2 630	2 596	2 662	2 655	2 646	2 592	2 537
1985 ---	2 559	2 627	2 681	2 750	2 764	2 780	2 706	2 704	2 671	2 661	2 625	2 661
1986 ---	2 720	2 755	2 788	2 824	2 856	2 905	2 920	2 943	2 959	2 940	2 899	2 750
1987 ---	2 790	2 829	2 896	2 958	3 014	3 016	2 977	2 972	2 937	2 918	2 916	2 914
1988 ---	2 972	3 058	3 119	3 179	3 259	3 291	3 265	3 239	3 245	3 281	3 239	3 084
1989 ---	3 173	3 161	3 211	3 359	3 404	3 445	3 394	3 350	3 306	3 401	3 337	3 234
1990 ---	3 335	3 364	3 388	3 442	3 504	3 500	3 454	3 416	3 382	3 386	3 338	3 213
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 316	2 308	2 294	2 299	2 297	2 272	2 276	2 295	2 276	2 302	2 304	2 289
1983 ---	2 281	2 272	2 253	2 275	2 301	2 342	2 337	2 348	2 376	2 403	2 438	2 500
1984 ---	2 457	2 458	2 480	2 504	2 530	2 553	2 578	2 626	2 647	2 660	2 629	2 637
1985 ---	2 626	2 662	2 686	2 708	2 698	2 700	2 679	2 668	2 660	2 664	2 661	2 767
1986 ---	2 798	2 799	2 797	2 784	2 786	2 819	2 882	2 907	2 947	2 937	2 939	2 863
1987 ---	2 870	2 878	2 907	2 920	2 937	2 926	2 930	2 941	2 927	2 908	2 953	3 042
1988 ---	3 057	3 114	3 135	3 139	3 170	3 189	3 208	3 210	3 238	3 265	3 279	3 225
1989 ---	3 260	3 220	3 231	3 319	3 307	3 336	3 332	3 324	3 302	3 381	3 376	3 388
1990 ---	3 424	3 428	3 411	3 401	3 402	3 387	3 391	3 392	3 380	3 364	3 376	3 369
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-6	2	-1	-1.1	2	8	-8	1.1	1	-7
1983 ---	-3	-4	-8	1.0	1.1	1.8	-2	5	1.2	1.1	1.5	2.5
1984 ---	-1.7	-	9	1.0	1.0	9	1.0	1.9	8	5	-1.2	3
1985 ---	-4	1.4	9	8	-4	1	-8	-4	-3	-2	-1	4.0
1986 ---	1.1	-	-1	-5	1	1.2	2.2	-9	1.4	-3	1	-2.6
1987 ---	2	3	1.0	4	6	-4	1	4	-5	-6	1.5	3.0
1988 ---	5	1.9	.7	1	1.0	6	6	1	9	8	4	-1.6
1989 ---	1.1	-1.2	3	2.7	-4	9	-1	-2	-7	2.4	-1	4
1990 ---	1.1	1	-5	-3	-	-4	1	-	-4	-5	4	-2

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
HOUSEHOLD AUDIO AND VIDEO EQUIPMENT—TOTAL INVENTORIES												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	1 289	1 287	1 281	1 307	1 325	1 306	1 318	1 305	1 265	1 214	1 159	1 078
1983 ---	1 035	1 014	998	1 036	1 043	1 065	1 046	1 116	1 086	1 034	1 048	1 062
1984 ---	1 036	1 095	1 115	1 179	1 255	1 328	1 384	1 437	1 443	1 441	1 365	1 426
1985 ---	1 421	1 388	1 406	1 454	1 518	1 499	1 500	1 482	1 454	1 366	1 344	1 267
1986 ---	1 191	1 186	1 187	1 276	1 289	1 292	1 258	1 190	1 086	1 005	945	892
1987 ---	928	981	1 018	1 059	1 097	1 105	1 149	1 167	1 112	1 105	1 070	1 005
1988 ---	1 018	989	952	1 015	1 013	1 011	1 081	1 037	981	961	941	954
1989 ---	974	1 042	1 069	1 156	1 201	1 113	1 254	1 245	1 241	1 175	1 149	1 210
1990 ---	1 214	1 228	1 186	1 229	1 259	1 268	1 278	1 286	1 237	1 181	1 076	1 039
Seasonally Adjusted—Millions of Dollars												
1982 ---	1 361	1 347	1 334	1 314	1 283	1 265	1 258	1 236	1 235	1 221	1 173	1 105
1983 ---	1 098	1 068	1 045	1 042	1 012	1 028	993	1 054	1 052	1 037	1 062	1 098
1984 ---	1 104	1 157	1 173	1 184	1 217	1 276	1 307	1 354	1 394	1 447	1 391	1 487
1985 ---	1 518	1 469	1 483	1 451	1 467	1 433	1 407	1 392	1 410	1 376	1 383	1 332
1986 ---	1 273	1 252	1 252	1 265	1 239	1 233	1 175	1 117	1 056	1 017	981	945
1987 ---	989	1 030	1 071	1 043	1 051	1 054	1 071	1 095	1 088	1 121	1 121	1 075
1988 ---	1 079	1 030	998	996	970	966	1 009	975	962	977	992	1 020
1989 ---	1 025	1 078	1 119	1 134	1 151	1 065	1 173	1 172	1 217	1 194	1 216	1 295
1990 ---	1 270	1 266	1 240	1 206	1 208	1 215	1 198	1 212	1 212	1 200	1 140	1 112
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	-1.0	-1.0	-1.5	-2.4	-1.4	-6	-1.7	-1	-1.1	-3.9	-5.8
1983 ---	-6	-2.7	-2.2	-3	-2.9	1.6	-3.4	6.1	-2	-1.4	2.4	3.4
1984 ---	5	4.8	1.4	9	2.8	4.8	2.4	3.6	3.0	3.8	-3.9	6.9
1985 ---	2.1	-3.2	1.0	-2.2	1.1	-2.3	-1.8	-1.1	1.3	-2.4	5	-3.7
1986 ---	-4.4	-1.6	-	1.0	-2.1	-5	-4.7	-4.9	-5.3	-3.9	-3.5	-5.7
1987 ---	4.7	4.1	4.0	-2.6	.8	.3	1.6	2.2	-6	3.0	-	-4.7
1988 ---	4	-4.5	-3.1	-2	-2.6	-4	4.5	-3.4	-1.3	1.6	1.5	2.8
1989 ---	5	5.2	3.8	1.3	1.5	-7.5	10.1	-1	3.8	-1.9	1.8	6.5
1990 ---	-1.9	-3	-2.1	-2.7	2	.6	-1.4	1.2	-	-1.0	-5.0	-2.5
COMMUNICATION EQUIPMENT—TOTAL INVENTORIES												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	5 850	5 943	6 004	5 975	5 935	5 876	5 836	5 863	5 821	5 805	5 896	5 724
1983 ---	5 801	5 830	5 919	5 996	6 113	6 116	6 245	6 310	6 342	6 439	6 445	6 530
1984 ---	6 593	6 770	7 004	7 054	7 224	7 340	7 587	7 739	7 902	8 226	8 299	8 217
1985 ---	8 313	8 451	8 471	8 522	8 508	8 579	8 631	8 598	8 506	8 395	8 197	7 997
1986 ---	7 820	7 689	7 565	7 492	7 408	7 191	7 143	7 006	6 753	6 552	6 326	6 079
1987 ---	6 092	6 109	6 047	6 131	6 176	6 199	6 244	6 260	6 249	6 298	6 345	6 135
1988 ---	6 160	6 247	6 287	6 348	6 424	6 498	6 492	6 673	6 687	6 737	6 795	6 586
1989 ---	6 483	6 740	6 375	6 420	6 518	6 429	6 408	6 369	6 158	6 236	6 227	6 137
1990 ---	6 188	6 169	6 020	6 012	5 973	5 854	5 886	5 959	5 890	5 827	5 792	5 452
Seasonally Adjusted—Millions of Dollars												
1982 ---	5 879	5 936	5 936	5 920	5 887	5 878	5 826	5 848	5 837	5 802	5 910	5 829
1983 ---	5 845	5 835	5 871	5 959	6 074	6 119	6 217	6 281	6 339	6 421	6 447	6 641
1984 ---	6 660	6 794	6 984	7 033	7 186	7 337	7 531	7 683	7 872	8 180	8 288	8 350
1985 ---	8 418	8 505	8 489	8 521	8 472	8 569	8 551	8 515	8 451	8 327	8 166	8 127
1986 ---	7 936	7 750	7 616	7 506	7 379	7 174	7 075	6 928	6 700	6 494	6 291	6 174
1987 ---	6 185	6 158	6 104	6 151	6 153	6 180	6 195	6 185	6 196	6 243	6 297	6 227
1988 ---	6 247	6 291	6 359	6 376	6 403	6 476	6 456	6 591	6 632	6 681	6 732	6 678
1989 ---	6 563	6 781	6 453	6 454	6 501	6 408	6 390	6 289	6 110	6 185	6 159	6 218
1990 ---	6 257	6 203	6 094	6 047	5 961	5 833	5 879	5 884	5 845	5 779	5 725	5 520
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	1.0	-	-3	-6	-2	-9	.4	-2	-6	1.9	-1.4
1983 ---	.3	-2	.6	1.5	1.9	.7	1.6	1.0	.9	1.3	4	3.0
1984 ---	.3	2.0	2.8	7	2.2	2.1	2.6	2.0	2.5	3.9	1.3	.7
1985 ---	.8	1.0	-2	4	-6	1.1	-2	-4	-8	-1.5	-1.9	-5
1986 ---	-2.4	-2.3	-1.7	-1.4	-1.7	-2.8	-1.4	-2.1	-3.3	-3.1	-3.1	-1.9
1987 ---	.2	-4	-9	.8	-	.4	.2	-2	.2	.8	9	-1.1
1988 ---	.3	.7	1.1	.3	.4	1.1	-3	2.1	.6	.7	6	-8
1989 ---	-1.7	3.3	-4.8	-	.7	-1.4	-3	-1.6	-2.8	1.2	-4	1.0
1990 ---	6	-9	-1.8	-8	-1.4	-2.1	.8	.1	-7	-1.1	-9	-3.6

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ELECTRONIC COMPONENTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	5 972	6 024	6 110	6 116	6 104	6 128	6 105	6 106	6 043	6 119	6 124	6 198
1983 ---	6 166	6 114	6 139	6 166	6 248	6 369	6 431	6 552	6 480	6 577	6 656	6 833
1984 ---	6 804	7 002	7 050	7 193	7 297	7 419	7 517	7 672	7 655	7 731	7 869	7 325
1985 ---	7 902	7 915	8 048	8 049	8 152	8 166	8 090	7 971	7 856	7 718	7 565	7 521
1986 ---	7 573	7 582	7 587	7 701	7 761	7 799	7 783	7 899	7 827	7 900	7 768	7 897
1987 ---	7 875	7 832	7 857	7 891	8 026	8 122	8 115	8 238	8 225	8 316	8 303	8 382
1988 ---	8 497	8 601	8 611	8 639	8 663	8 778	8 862	8 999	8 919	8 995	9 167	9 030
1989 ---	9 106	9 222	9 221	9 259	9 232	9 085	9 233	9 410	9 158	9 113	9 073	8 869
1990 ---	8 908	8 955	9 078	9 135	9 256	9 234	9 448	9 323	9 260	9 271	9 308	9 196
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 016	6 010	6 089	6 080	6 051	6 049	6 055	6 088	6 097	6 157	6 195	6 239
1983 ---	6 211	6 109	6 131	6 143	6 206	6 296	6 384	6 509	6 520	6 604	6 721	6 885
1984 ---	6 847	7 013	7 057	7 183	7 252	7 339	7 462	7 601	7 683	7 749	7 943	7 898
1985 ---	7 949	7 936	8 070	8 048	8 100	8 084	8 036	7 882	7 869	7 726	7 638	7 599
1986 ---	7 516	7 607	7 614	7 706	7 711	7 724	7 733	7 807	7 829	7 901	7 841	7 990
1987 ---	7 922	7 857	7 883	7 893	7 973	8 054	8 067	8 141	8 224	8 313	8 370	8 487
1988 ---	8 550	8 629	8 633	8 640	8 608	8 715	8 813	8 893	8 919	8 992	9 223	9 148
1989 ---	9 171	9 248	9 238	9 258	9 175	9 031	9 182	9 298	9 160	9 114	9 109	8 988
1990 ---	8 982	8 977	9 089	9 135	9 200	9 185	9 393	9 212	9 262	9 276	9 334	9 322
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	1.3	-1	-5	-	1	5	1	1.0	6	7
1983 ---	-4	-1.6	.4	2	1.0	1.5	1.4	2.0	2	1.3	1.8	2.4
1984 ---	-6	2.4	.6	1.8	1.0	1.2	1.7	1.9	1.1	9	2.5	-6
1985 ---	6	-2	1.7	-3	6	-2	-6	-1.9	-2	-1.8	-1.1	-5
1986 ---	2	-1	1.2	1	2	1	2	1.0	3	9	-8	1.9
1987 ---	-9	-8	3	1	1.0	1.0	2	9	1.0	1.1	7	1.4
1988 ---	7	9	-	1	1.2	1.1	1.1	9	3	8	2.6	-8
1989 ---	3	9	-1	2	-9	-1.6	1.7	1.3	-1.5	-5	-1	-1.3
1990 ---	-1	-1	1.2	5	7	-2	2.3	-1.9	5	2	6	-1
<b>TRANSPORTATION EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	39 765	40 312	40 261	40 524	40 298	40 342	40 642	41 580	41 798	42 285	42 268	42 282
1983 ---	42 172	42 747	42 039	41 985	42 454	41 685	41 712	42 640	42 698	43 110	43 219	43 008
1984 ---	43 394	44 584	45 711	45 933	46 815	46 910	47 914	49 374	50 082	50 836	50 395	49 817
1985 ---	50 486	51 292	51 277	51 331	51 237	51 356	51 716	52 617	53 031	52 750	52 919	51 484
1986 ---	52 162	52 829	53 886	53 751	53 948	53 606	53 315	53 755	54 463	54 658	54 413	52 119
1987 ---	53 209	53 839	53 736	53 816	54 049	53 512	54 174	55 149	55 536	56 252	56 786	55 062
1988 ---	56 392	57 570	58 078	58 567	59 500	59 881	60 296	60 405	60 939	61 812	62 363	61 417
1989 ---	63 514	65 120	65 941	66 324	67 559	67 669	69 643	70 373	69 732	71 064	71 841	70 718
1990 ---	72 652	72 966	72 604	73 382	74 158	72 562	74 145	74 176	73 407	73 961	75 100	71 578
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	39 763	39 915	39 876	40 427	40 295	40 851	41 078	41 495	41 675	41 943	41 977	43 007
1983 ---	42 320	42 434	41 665	41 888	42 387	42 084	42 074	42 488	42 445	42 714	43 011	43 797
1984 ---	43 642	44 281	45 373	45 857	46 702	47 354	48 318	49 147	49 688	50 355	50 170	50 780
1985 ---	50 905	51 013	50 938	51 256	51 086	51 791	52 071	52 338	52 596	52 224	52 698	52 574
1986 ---	52 660	52 592	53 613	53 691	53 752	53 976	53 536	53 411	54 066	54 076	54 130	53 317
1987 ---	53 728	53 651	53 524	53 748	53 820	53 874	54 290	54 766	55 247	55 652	56 482	56 437
1988 ---	56 901	57 347	57 884	58 497	59 196	60 248	60 288	59 922	60 754	61 167	62 032	62 992
1989 ---	64 072	64 873	65 764	66 238	67 168	68 072	69 558	69 802	69 750	70 335	71 523	72 576
1990 ---	73 262	72 701	72 427	73 261	73 676	72 969	73 921	73 523	73 511	73 228	74 818	73 424
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	4	-1	1.4	-3	1.4	6	1.0	4	6	1	2.5
1983 ---	-1.6	.3	-1.8	.5	1.2	-7	-	1.0	-1	6	7	1.8
1984 ---	-4	1.5	2.5	1.1	1.8	1.4	2.0	1.7	1.1	1.3	-4	1.2
1985 ---	2	2	-1	6	-3	1.4	5	5	5	-7	9	-2
1986 ---	2	-1	1.9	1	1	4	-8	-2	1.2	-	1	-1.5
1987 ---	8	-1	-2	4	1	1	8	9	9	7	1.5	1.5
1988 ---	8	8	9	1.1	1.2	1.8	1	-6	1.4	7	1.4	1.5
1989 ---	1.7	1.3	1.4	7	1.4	1.3	2.2	4	-1	8	1.7	1.5
1990 ---	9	-8	-4	1.2	6	-1.0	1.3	-5	-	-4	2.2	-1.9

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MOTOR VEHICLES AND PARTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	9 486	9 364	9 138	8 881	8 639	8 582	8 464	8 870	8 784	8 701	8 489	8 453
1983 ---	8 517	8 738	8 685	8 846	8 914	8 708	8 756	9 418	9 582	9 867	10 143	10 390
1984 ---	10 773	10 981	11 020	10 841	10 901	10 738	10 806	11 444	11 621	11 895	11 660	11 671
1985 ---	11 714	11 945	11 790	11 792	11 426	11 313	11 321	12 077	12 014	11 996	11 942	11 843
1986 ---	11 958	12 096	11 884	11 766	11 596	11 002	10 922	11 306	11 337	11 447	11 689	11 452
1987 ---	11 488	11 649	11 694	11 469	11 379	11 062	11 046	11 368	11 829	11 810	12 015	11 909
1988 ---	12 423	12 421	12 090	11 934	11 712	11 491	11 402	11 954	12 011	12 041	12 360	12 138
1989 ---	12 904	12 971	12 683	12 479	12 432	11 951	12 742	12 930	12 642	12 711	12 774	12 104
1990 ---	12 686	12 578	12 044	12 126	12 137	11 651	12 240	12 440	12 418	12 388	12 990	12 967
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 315	9 147	9 006	8 847	8 716	8 878	8 926	8 793	8 678	8 571	8 414	8 533
1983 ---	8 361	8 527	8 565	8 810	9 013	9 029	9 204	9 359	9 485	9 725	10 070	10 434
1984 ---	10 566	10 699	10 873	10 787	11 026	11 167	11 333	11 403	11 530	11 751	11 568	11 681
1985 ---	11 474	11 620	11 625	11 725	11 557	11 789	11 864	12 064	11 942	11 888	11 830	11 833
1986 ---	11 681	11 744	11 714	11 715	11 736	11 467	11 423	11 317	11 279	11 376	11 554	11 450
1987 ---	11 179	11 294	11 534	11 449	11 526	11 541	11 532	11 382	11 789	11 761	11 841	11 931
1988 ---	12 047	12 023	11 938	11 949	11 870	11 994	11 872	11 953	11 980	12 012	12 161	12 177
1989 ---	12 473	12 555	12 544	12 528	12 606	12 476	13 242	12 911	12 628	12 690	12 544	12 159
1990 ---	12 437	12 165	11 919	12 185	12 314	12 161	12 710	12 408	12 408	12 370	12 750	13 039
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.8	-1.5	-1.8	-1.5	1.9	5	-1.5	-1.3	-1.2	-1.8	1.4
1983 ---	-2.0	2.0	4	2.9	2.3	2	1.9	1.7	1.3	2.5	3.5	3.6
1984 ---	1.3	1.3	1.6	-8	2.2	1.3	1.5	6	1.1	1.9	-1.6	1.0
1985 ---	-1.8	1.3	-	9	-1.4	2.0	6	1.7	-1.0	-5	-5	-
1986 ---	-1.3	.5	-3	-	2	-2.3	-4	-9	-3	9	1.6	-9
1987 ---	-2.4	1.0	2.1	-7	7	1	-1	-1.3	3.6	-2	7	.8
1988 ---	1.0	-2	-7	1	-7	1.0	-1.0	7	2	3	1.2	.1
1989 ---	2.4	7	-1	-1	6	-1.0	6.1	-2.5	-2.2	5	-1.2	-3.1
1990 ---	2.3	-2.2	-2.0	2.2	1.1	-1.2	4.5	-2.4	-	-3	3.1	2.3
<b>AIRCRAFT, MISSILES, SPACE VEHICLES, AND PARTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	25 752	26 489	26 825	27 470	27 574	27 715	28 245	28 749	29 143	29 722	29 832	29 723
1983 ---	29 526	29 968	29 613	29 539	29 919	29 429	29 446	29 705	29 731	29 873	29 626	29 292
1984 ---	29 399	30 362	31 455	31 867	32 617	32 839	33 755	34 519	34 896	35 309	35 081	34 574
1985 ---	35 210	35 746	36 004	36 165	36 449	36 726	37 050	37 205	37 553	37 299	37 443	36 211
1986 ---	36 712	37 192	38 392	38 469	38 780	38 984	38 823	38 899	39 392	39 551	39 015	37 175
1987 ---	38 112	38 393	38 244	38 456	38 772	38 600	39 243	39 855	39 779	40 428	40 629	39 347
1988 ---	40 114	41 214	41 952	42 698	43 716	44 335	44 726	44 303	44 659	45 396	45 612	45 374
1989 ---	46 497	47 806	49 003	49 346	50 660	51 084	52 247	52 851	52 555	53 925	54 500	54 244
1990 ---	55 158	55 592	55 888	56 533	57 184	56 311	57 189	57 002	56 357	57 309	57 931	54 494
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 977	26 395	26 602	27 374	27 445	27 864	28 143	28 673	29 124	29 517	29 693	30 390
1983 ---	29 884	29 945	29 380	29 450	29 719	29 457	29 297	29 558	29 578	29 631	29 582	30 062
1984 ---	29 690	30 406	31 275	31 806	32 352	32 799	33 566	34 287	34 602	34 983	35 036	35 570
1985 ---	35 897	35 859	35 855	36 120	36 149	36 638	36 806	36 894	37 200	36 889	37 404	37 323
1986 ---	37 477	37 349	38 308	38 423	38 442	38 850	38 488	38 511	39 080	39 077	38 942	38 352
1987 ---	38 903	38 582	38 207	38 382	38 412	38 462	38 836	39 437	39 564	39 921	40 547	40 641
1988 ---	40 947	41 405	41 930	42 597	43 280	44 194	44 219	43 830	44 552	44 840	45 515	46 835
1989 ---	47 406	47 970	48 968	49 206	50 129	50 975	51 643	52 328	52 638	53 274	54 428	55 905
1990 ---	56 124	55 739	55 839	56 358	56 567	56 222	56 496	56 438	56 535	56 646	57 889	56 139
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.6	.8	2.9	3	1.5	1.0	1.9	1.6	1.3	6	2.3
1983 ---	-1.7	2	-1.9	2	9	-9	-5	9	1	2	-2	1.6
1984 ---	-6	1.7	2.9	1.7	1.7	1.4	2.3	2.1	9	1.1	2	1.5
1985 ---	.9	-1	-	7	.1	1.4	5	2	8	-8	1.4	-2
1986 ---	4	-3	2.6	.3	-	1.1	-9	1	1.5	-	-3	-1.5
1987 ---	1.4	-8	-1.0	.5	1	1	1.0	1.5	3	9	1.6	.2
1988 ---	8	1.1	1.3	1.6	1.6	2.1	1	-9	1.6	6	1.5	2.9
1989 ---	1.2	1.2	2.1	.5	1.9	1.7	1.3	1.3	6	1.2	2.2	2.7
1990 ---	4	-7	2	.9	4	-6	5	-1	2	2	2.2	-3.0

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>SHIPBUILDING AND TANKS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 427	2 400	2 325	2 293	2 208	2 262	2 214	2 239	2 143	2 163	2 196	2 273
1983 ---	2 350	2 339	2 192	2 185	2 154	2 083	2 046	1 968	1 836	1 794	1 798	1 601
1984 ---	1 546	1 533	1 527	1 548	1 596	1 621	1 656	1 673	1 788	1 786	1 745	1 643
1985 ---	1 649	1 697	1 694	1 702	1 667	1 656	1 708	1 652	1 717	1 703	1 715	1 583
1986 ---	1 659	1 669	1 750	1 755	1 720	1 756	1 785	1 764	1 851	1 879	1 904	1 709
1987 ---	1 800	1 836	1 893	2 023	1 972	1 930	1 997	1 967	1 986	2 036	2 058	1 803
1988 ---	1 847	1 896	1 942	1 958	2 005	1 959	2 038	2 049	2 061	2 189	2 159	1 714
1989 ---	1 986	2 106	1 987	2 123	2 110	2 121	2 146	2 153	2 228	2 169	2 249	2 095
1990 ---	2 259	2 313	2 353	2 439	2 490	2 327	2 443	2 494	2 457	2 110	2 051	2 009
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 479	2 411	2 343	2 297	2 210	2 250	2 194	2 241	2 105	2 129	2 157	2 364
1983 ---	2 388	2 342	2 203	2 182	2 153	2 073	2 024	1 966	1 802	1 758	1 748	1 681
1984 ---	1 584	1 549	1 545	1 540	1 589	1 618	1 635	1 671	1 753	1 749	1 706	1 705
1985 ---	1 682	1 709	1 695	1 690	1 662	1 662	1 688	1 659	1 689	1 670	1 689	1 656
1986 ---	1 709	1 698	1 757	1 737	1 707	1 766	1 758	1 767	1 812	1 814	1 864	1 734
1987 ---	1 860	1 880	1 903	1 997	1 954	1 947	1 965	1 970	1 945	1 959	2 033	1 901
1988 ---	1 908	1 940	1 947	1 931	1 986	1 999	2 037	2 008	2 088	2 088	2 132	1 805
1989 ---	2 064	2 171	2 011	2 088	2 089	2 143	2 102	2 130	2 171	2 074	2 228	2 235
1990 ---	2 346	2 373	2 378	2 400	2 463	2 354	2 386	2 447	2 388	2 018	2 041	2 129
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.7	-2.8	-2.0	-3.8	1.8	-2.5	2.1	-6.1	1.1	1.3	9.6
1983 ---	1.0	-1.9	-5.9	-1.0	-1.3	-3.7	-2.4	-2.9	-8.3	-2.4	-6.6	-3.8
1984 ---	-5.8	-2.2	-3.0	-3.2	3.2	1.8	1.1	2.2	4.9	-2.2	-2.5	-1.1
1985 ---	-1.3	1.6	-8.8	-3.3	-1.7	-1.6	1.6	-1.7	1.8	-1.1	1.1	-2.0
1986 ---	3.2	6.6	3.5	-1.1	-1.7	3.5	-5.5	5.5	2.5	1.1	2.8	-3.8
1987 ---	3.7	1.1	1.2	4.9	-2.2	-4.4	-9.9	3.3	-1.3	7.7	3.8	-6.5
1988 ---	4.4	1.7	4.4	-8.8	2.8	-3.3	1.9	1.9	-1.4	4.0	2.1	-15.3
1989 ---	14.3	5.2	-7.4	3.8	-	2.6	-1.9	1.3	1.9	-4.5	7.4	3.3
1990 ---	5.0	1.2	2.2	9.9	2.6	-4.4	1.4	2.6	-2.4	-15.5	1.1	4.3
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	16 820	17 082	17 172	17 392	17 347	17 418	17 257	17 196	17 106	16 998	16 927	16 528
1983 ---	16 604	16 597	16 644	16 993	17 197	17 075	17 078	17 212	17 153	17 186	17 279	17 651
1984 ---	17 256	17 779	18 213	18 542	18 938	19 177	19 430	19 600	19 480	19 831	19 853	19 240
1985 ---	20 103	20 582	20 846	21 207	21 320	21 477	21 548	21 551	21 472	21 542	21 416	21 007
1986 ---	21 215	21 297	21 488	21 762	22 100	22 078	22 219	22 302	22 286	22 355	22 354	21 851
1987 ---	22 083	22 369	22 268	22 546	22 931	22 904	23 039	23 200	23 257	23 293	23 423	23 015
1988 ---	23 426	23 666	23 445	23 526	23 994	23 321	23 493	23 715	23 340	23 300	23 394	24 278
1989 ---	25 024	25 526	25 932	26 464	26 604	26 425	26 473	26 636	26 142	26 125	25 929	24 186
1990 ---	24 972	25 347	25 372	25 574	25 693	25 080	25 118	25 291	24 801	25 047	24 799	23 480
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 952	17 052	16 987	17 053	16 977	17 143	17 138	17 155	17 251	17 209	17 168	17 037
1983 ---	16 763	16 602	16 510	16 706	16 872	16 835	16 949	17 148	17 258	17 316	17 472	17 769
1984 ---	17 451	17 820	18 132	18 284	18 600	18 932	19 267	19 490	19 548	19 912	20 020	20 206
1985 ---	20 349	20 651	20 810	20 988	20 964	21 248	21 357	21 391	21 510	21 581	21 554	21 600
1986 ---	21 483	21 362	21 502	21 581	21 729	21 689	22 019	22 100	22 319	22 393	22 463	22 480
1987 ---	22 366	22 400	22 282	22 369	22 535	22 753	22 837	22 970	23 318	23 342	23 508	23 703
1988 ---	23 733	23 654	23 450	23 324	23 553	23 210	23 308	23 464	23 440	23 356	23 452	25 040
1989 ---	25 369	25 485	25 915	26 206	26 080	26 332	26 262	26 315	26 304	26 186	25 962	24 998
1990 ---	25 349	25 286	25 341	25 306	25 170	25 008	24 931	24 987	24 982	25 119	24 826	24 272
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.6	-.4	.4	-.4	1.0	-.7	1.1	.6	-.2	-.2	-.8
1983 ---	-1.6	-1.0	-.6	1.2	1.0	-.2	1.7	1.2	.6	.3	.9	1.7
1984 ---	-1.8	2.1	1.8	.8	1.7	1.8	1.8	1.2	.3	1.9	.5	.9
1985 ---	.7	1.5	.8	.9	-.1	1.4	.5	.2	.6	.3	-.1	.2
1986 ---	-.5	-.6	.7	.4	.7	.7	.6	.4	1.0	.3	.3	.8
1987 ---	-.5	-.3	-.5	-.4	1.0	1.0	.6	.7	1.5	.1	.7	1.8
1988 ---	1.1	-.3	-.9	-.5	1.0	-1.5	-.4	-.4	-.1	-.4	-.4	6.8
1989 ---	1.3	.5	1.7	1.1	-.5	1.0	-.3	.2	-.7	-.4	-.9	-3.7
1990 ---	1.4	-.2	.2	-.1	-.5	-.6	-.3	.2	-.7	.5	-1.2	-2.2

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>SEARCH AND NAVIGATION EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	4 565	4 674	4 759	4 772	4 777	4 766	4 769	4 827	4 829	4 852	4 963	4 856
1983 ---	4 891	4 884	4 927	4 961	5 027	4 997	5 072	5 093	5 087	5 133	5 106	5 142
1984 ---	5 184	5 315	5 492	5 522	5 648	5 730	5 914	6 024	6 142	6 385	6 433	6 359
1985 ---	6 541	6 759	6 889	7 044	7 151	7 329	7 495	7 589	7 632	7 656	7 600	7 537
1986 ---	7 628	7 763	7 905	8 099	8 285	8 331	8 562	8 693	8 684	8 729	8 735	8 702
1987 ---	8 775	8 854	8 821	8 996	9 119	9 209	9 332	9 413	9 455	9 585	9 716	9 455
1988 ---	9 662	9 677	9 421	9 262	9 286	8 710	8 786	8 798	8 472	8 358	8 294	9 187
1989 ---	9 619	9 968	10 187	10 606	10 768	10 695	10 975	11 084	10 664	10 629	10 425	9 527
1990 ---	9 670	9 928	9 846	10 030	10 083	9 876	9 932	9 878	9 625	9 701	9 501	8 797
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 596	4 659	4 707	4 729	4 734	4 757	4 754	4 808	4 840	4 839	4 985	4 988
1983 ---	4 936	4 877	4 885	4 923	4 983	4 987	5 042	5 064	5 089	5 112	5 128	5 285
1984 ---	5 239	5 317	5 464	5 484	5 596	5 715	5 864	5 977	6 136	6 358	6 463	6 542
1985 ---	6 618	6 769	6 872	7 001	7 078	7 308	7 418	7 509	7 623	7 632	7 634	7 761
1986 ---	7 723	7 768	7 909	8 046	8 188	8 306	8 463	8 587	8 689	8 723	8 767	8 985
1987 ---	8 895	8 833	8 833	8 925	8 997	9 180	9 213	9 284	9 488	9 597	9 742	9 790
1988 ---	9 809	9 624	9 441	9 174	9 145	8 682	8 664	8 665	8 531	8 373	8 304	9 545
1989 ---	9 788	9 892	10 205	10 488	10 585	10 660	10 818	10 899	10 764	10 648	10 428	9 939
1990 ---	9 872	9 839	9 862	9 905	9 898	9 843	9 787	9 707	9 724	9 719	9 496	9 195
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.4	1.0	.5	.1	.5	-.1	1.1	.7	-	3.0	.1
1983 ---	-1.0	-1.2	.2	.8	1.2	.1	1.1	.4	.5	.5	.3	3.1
1984 ---	-.9	1.5	2.8	.4	2.0	2.1	2.6	1.9	2.7	3.6	1.7	1.2
1985 ---	1.2	2.3	1.5	1.9	1.1	3.2	1.5	1.2	1.5	1	-	1.7
1986 ---	-.5	.6	1.8	1.7	1.8	1.4	1.9	1.5	1.2	.4	.5	2.5
1987 ---	-1.0	-.7	-	1.0	.8	2.0	.4	.8	2.2	1.1	1.5	.5
1988 ---	-.2	-1.9	-1.9	-2.8	-.3	-5.1	-.2	-	-1.5	-1.9	-.8	14.9
1989 ---	2.5	1.1	3.2	2.8	.9	.7	1.5	.7	-1.2	-1.1	-2.1	-4.7
1990 ---	-.7	-.3	.2	.4	-.1	-.6	-.6	-.8	.2	-.1	-2.3	-3.2
<b>MEASURING AND CONTROLLING DEVICES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	5 334	5 378	5 392	5 523	5 440	5 495	5 407	5 325	5 308	5 274	5 248	5 151
1983 ---	5 198	5 221	5 281	5 399	5 454	5 414	5 383	5 409	5 404	5 389	5 508	5 460
1984 ---	5 479	5 661	5 759	5 870	5 946	6 025	6 078	6 089	6 036	6 143	6 151	6 084
1985 ---	6 182	6 315	6 385	6 466	6 470	6 483	6 479	6 452	6 411	6 421	6 399	6 238
1986 ---	6 233	6 183	6 197	6 204	6 266	6 230	6 177	6 138	6 192	6 212	6 260	6 029
1987 ---	6 034	6 113	6 116	6 113	6 230	6 173	6 174	6 198	6 277	6 246	6 297	6 242
1988 ---	6 270	6 348	6 377	6 402	6 617	6 524	6 523	6 574	6 549	6 556	6 601	6 649
1989 ---	6 735	6 715	6 789	6 721	6 607	6 607	6 726	6 840	6 758	6 785	6 819	6 499
1990 ---	6 642	6 662	6 775	6 687	6 673	6 600	6 620	6 600	6 494	6 572	6 526	6 238
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 363	5 369	5 336	5 405	5 332	5 396	5 376	5 348	5 377	5 359	5 313	5 267
1983 ---	5 238	5 220	5 235	5 293	5 357	5 328	5 352	5 425	5 460	5 448	5 552	5 579
1984 ---	5 533	5 668	5 725	5 779	5 850	5 947	6 047	6 098	6 075	6 181	6 172	6 206
1985 ---	6 249	6 332	6 363	6 402	6 374	6 418	6 451	6 453	6 431	6 433	6 399	6 351
1986 ---	6 301	6 203	6 188	6 174	6 177	6 191	6 158	6 129	6 196	6 212	6 244	6 129
1987 ---	6 093	6 134	6 105	6 104	6 148	6 155	6 162	6 184	6 276	6 236	6 268	6 345
1988 ---	6 322	6 368	6 358	6 403	6 536	6 527	6 517	6 551	6 549	6 544	6 559	6 761
1989 ---	6 782	6 734	6 758	6 727	6 531	6 625	6 722	6 810	6 766	6 770	6 768	6 614
1990 ---	6 681	6 678	6 739	6 694	6 599	6 626	6 617	6 565	6 507	6 558	6 474	6 351
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.1	-.6	1.3	-1.4	1.2	-.4	-.5	.5	-.3	-.9	-.9
1983 ---	-.6	-.3	.3	1.1	1.2	-.5	.5	1.4	.6	-.2	1.9	.5
1984 ---	-.8	2.4	1.0	.9	1.2	1.7	1.7	.8	-.4	1.7	-.1	-.6
1985 ---	.7	1.3	.5	.6	-.4	.7	.5	-	-.3	-	-.5	-.8
1986 ---	-.8	-1.6	-.2	-.2	-	.2	-.5	-.5	1.1	.3	.5	-1.8
1987 ---	-.6	.7	-.5	.7	.7	.1	.1	.4	1.5	-.6	.5	1.2
1988 ---	-.4	.7	-.2	.7	2.1	-.1	-.2	.5	-	-.1	.2	3.1
1989 ---	.3	-.7	.4	-.5	-2.9	1.4	1.5	1.3	-.6	.1	-	-2.3
1990 ---	1.0	-	.9	-.7	-1.4	.4	-.1	-.8	-.9	.8	-1.3	-1.9

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MEDICAL INSTRUMENTS AND SUPPLIES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 137	3 191	3 227	3 332	3 310	3 370	3 344	3 320	3 337	3 342	3 352	3 317
1983 ---	3 334	3 336	3 361	3 423	3 444	3 405	3 372	3 375	3 358	3 336	3 397	3 353
1984 ---	3 375	3 498	3 568	3 648	3 706	3 766	3 811	3 829	3 807	3 885	3 902	3 870
1985 ---	3 931	4 015	4 058	4 108	4 109	4 115	4 111	4 093	4 065	4 070	4 055	3 951
1986 ---	3 969	3 958	3 987	4 014	4 074	4 071	4 059	4 055	4 112	4 147	4 201	4 069
1987 ---	4 080	4 140	4 150	4 155	4 242	4 211	4 219	4 244	4 304	4 291	4 334	4 304
1988 ---	4 347	4 427	4 472	4 515	4 692	4 653	4 680	4 743	4 752	4 784	4 845	4 908
1989 ---	5 050	5 146	5 228	5 280	5 328	5 301	4 903	4 869	4 825	4 815	4 791	4 657
1990 ---	5 002	5 092	5 138	5 159	5 210	5 064	5 043	5 290	5 248	5 348	5 348	5 218
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 159	3 167	3 194	3 260	3 241	3 308	3 323	3 333	3 379	3 398	3 395	3 393
1983 ---	3 365	3 335	3 332	3 355	3 380	3 350	3 351	3 384	3 392	3 376	3 427	3 427
1984 ---	3 413	3 501	3 547	3 590	3 641	3 714	3 789	3 833	3 832	3 916	3 924	3 952
1985 ---	3 981	4 021	4 041	4 061	4 038	4 067	4 089	4 093	4 082	4 093	4 075	4 031
1986 ---	4 020	3 963	3 974	3 978	3 994	4 028	4 042	4 053	4 127	4 173	4 230	4 151
1987 ---	4 130	4 141	4 127	4 115	4 144	4 171	4 210	4 243	4 329	4 327	4 376	4 393
1988 ---	4 396	4 421	4 433	4 459	4 566	4 613	4 682	4 743	4 794	4 838	4 905	5 014
1989 ---	5 102	5 131	5 165	5 199	5 168	5 261	4 914	4 867	4 885	4 879	4 859	4 762
1990 ---	5 051	5 072	5 066	5 071	5 045	5 027	5 058	5 287	5 324	5 424	5 428	5 337
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	9	2	2.1	-6	2.1	.5	3	1.4	6	-1	-1
1983 ---	-8	-9	-1	7	7	-9	-	10	2	-5	1.5	-
1984 ---	-4	26	13	12	1.4	20	2.0	1	22	2	7	7
1985 ---	7	10	5	5	-6	7	5	1	3	3	-4	-11
1986 ---	-3	-14	-3	1	4	9	3	18	1	14	1.4	-1.9
1987 ---	-5	3	-3	-3	7	7	9	8	20	1	1.1	4
1988 ---	1	6	3	6	2.4	10	1.5	1.3	1.1	9	1.4	2.2
1989 ---	1.8	6	7	7	-6	18	-6.6	-10	4	-1	-4	-20
1990 ---	6.1	4	-1	1	-5	-4	6	4.5	7	19	1	-17
<b>PHOTOGRAPHIC GOODS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 128	3 191	3 139	3 106	3 164	3 134	3 084	3 079	2 994	2 912	2 778	2 601
1983 ---	2 597	2 601	2 536	2 638	2 704	2 695	2 689	2 791	2 779	2 823	2 773	2 759
1984 ---	2 662	2 754	2 825	2 925	3 041	3 041	3 016	3 042	2 883	2 824	2 778	2 719
1985 ---	2 809	2 838	2 863	2 928	2 928	2 893	2 814	2 785	2 738	2 795	2 774	2 699
1986 ---	2 799	2 805	2 802	2 829	2 859	2 815	2 801	2 797	2 700	2 694	2 590	2 478
1987 ---	2 606	2 651	2 565	2 642	2 672	2 631	2 627	2 655	2 547	2 532	2 464	2 416
1988 ---	2 535	2 613	2 577	2 746	2 789	2 613	2 681	2 964	2 917	2 988	3 011	2 874
1989 ---	2 960	3 027	3 044	3 162	3 207	3 116	3 173	3 148	3 211	3 216	3 216	2 837
1990 ---	2 989	2 979	2 920	3 011	3 041	2 851	2 845	2 860	2 788	2 778	2 783	2 596
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 181	3 165	3 099	3 012	3 035	3 047	3 044	3 025	3 013	2 974	2 863	2 770
1983 ---	2 642	2 610	2 521	2 574	2 601	2 623	2 655	2 737	2 790	2 857	2 847	2 925
1984 ---	2 710	2 776	2 827	2 865	2 933	2 961	2 973	2 976	2 894	2 842	2 843	2 876
1985 ---	2 858	2 865	2 882	2 874	2 830	2 822	2 769	2 718	2 751	2 803	2 830	2 852
1986 ---	2 847	2 832	2 832	2 776	2 770	2 756	2 754	2 728	2 713	2 696	2 630	2 618
1987 ---	2 651	2 674	2 599	2 593	2 593	2 591	2 584	2 587	2 556	2 528	2 488	2 552
1988 ---	2 582	2 633	2 618	2 694	2 708	2 787	2 838	2 885	2 920	2 976	3 022	3 034
1989 ---	3 022	3 051	3 102	3 103	3 114	3 102	3 129	3 060	3 208	3 199	3 213	2 993
1990 ---	3 060	3 004	2 980	2 954	2 953	2 843	2 807	2 779	2 783	2 762	2 773	2 737
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1	-2.7	-2.8	.6	4	-1	-6	-4	-1.3	-3.7	-3.2
1983 ---	-4.6	-1.2	-3.4	2.1	1.0	8	1.2	3.1	1.9	2.4	-4	2.7
1984 ---	-7.4	2.4	1.8	1.3	2.4	10	4	1	-2.8	-1.8	-	1.2
1985 ---	-6	6	6	-3	-1.5	-3	-1.9	-1.8	1.2	1.9	10	8
1986 ---	-2	-5	-	-2.0	-2	-5	-1	-9	-5	-6	-2.4	-5
1987 ---	1.3	9	-2.8	-2	-	-1	-3	-1	-1.2	-1.1	-1.6	2.6
1988 ---	1.2	20	-6	2.9	5	2.9	1.8	1.7	1.2	1.9	1.5	4
1989 ---	-4	10	1.7	1	4	4	9	-2.2	4.8	3	4	-6.6
1990 ---	2.2	-1.8	-8	-9	-	-3.7	-1.3	-10	1	-8	4	-1.3

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL OTHER DURABLE GOODS INDUSTRIES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	16 069	16 175	16 134	15 986	15 948	15 956	15 890	15 753	15 696	15 350	15 089	14 961
1983 ---	15 236	15 511	15 451	15 368	15 472	15 453	15 589	15 774	15 812	15 927	15 845	15 808
1984 ---	16 237	16 411	16 614	16 742	16 682	16 586	16 654	16 761	16 826	16 770	16 675	16 871
1985 ---	17 441	17 559	17 418	17 190	17 100	17 041	17 118	17 031	16 888	16 783	16 848	16 817
1986 ---	16 985	17 393	17 203	17 157	17 035	16 789	16 925	16 934	16 735	16 741	16 780	17 330
1987 ---	17 737	18 004	18 057	18 197	18 357	18 127	18 086	18 102	17 956	17 718	17 893	18 334
1988 ---	19 002	19 524	19 469	19 250	19 338	19 418	19 775	19 550	19 300	19 254	19 299	19 552
1989 ---	19 957	20 091	20 045	20 034	20 256	20 397	20 702	20 834	20 810	20 894	20 887	20 740
1990 ---	21 084	21 114	21 178	21 307	21 278	21 028	21 068	21 227	21 207	20 933	20 870	20 734
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 012	15 892	15 867	15 803	15 796	15 883	15 878	15 707	15 759	15 592	15 488	15 275
1983 ---	15 168	15 228	15 197	15 206	15 346	15 416	15 585	15 754	15 890	16 167	16 240	16 098
1984 ---	16 140	16 097	16 341	16 568	16 552	16 568	16 657	16 763	16 940	17 025	17 082	17 145
1985 ---	17 313	17 223	17 147	17 004	16 961	17 035	17 128	17 049	17 031	17 057	17 256	17 039
1986 ---	16 831	17 052	16 937	16 974	16 906	16 790	16 930	16 959	16 911	17 026	17 168	17 524
1987 ---	17 562	17 661	17 797	18 009	18 229	18 134	18 063	18 109	18 160	18 011	18 276	18 518
1988 ---	18 822	19 179	19 225	19 075	19 221	19 424	19 733	19 537	19 523	19 538	19 665	19 756
1989 ---	19 795	19 771	19 821	19 866	20 150	20 411	20 646	20 794	21 052	21 175	21 231	20 957
1990 ---	20 944	20 788	20 957	21 153	21 191	21 043	20 987	21 173	21 460	21 195	21 175	20 955
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-7	-2	-4	-	6	-	-1.1	.3	-1.1	-7	-1.4
1983 ---	-7	-4	-2	-1	-9	5	1.1	1.1	.9	1.7	.5	-9
1984 ---	-3	-3	1.5	1.4	-1	1	5	.6	1.1	.5	.3	.4
1985 ---	1.0	-5	-4	-8	-3	4	5	-5	-1	.2	1.2	-1.3
1986 ---	-1.2	1.3	-7	2	-4	-7	8	-2	-3	-7	.8	2.1
1987 ---	2	6	.8	1.2	1.2	-5	-4	-3	.3	-8	1.5	1.3
1988 ---	1.6	1.9	2	2	.8	1.1	1.6	-1.0	-1	.1	.7	.5
1989 ---	2	-1	.3	-2	1.4	1.3	1.2	.7	1.2	.6	.3	-1.3
1990 ---	-1	-7	.8	.9	.2	-7	-3	.9	1.4	-1.2	-1	-1.0
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	115 607	115 783	115 271	115 189	113 122	111 463	111 916	111 789	110 827	111 722	112 311	110 549
1983 ---	111 437	111 133	109 237	109 374	108 945	108 588	109 479	110 149	110 838	112 609	112 909	111 673
1984 ---	113 376	114 910	115 377	116 781	118 220	118 294	118 729	119 591	119 449	119 967	119 307	117 197
1985 ---	116 949	117 709	116 872	117 414	117 144	115 964	115 356	115 259	114 247	115 302	115 465	115 577
1986 ---	115 276	115 061	113 305	113 710	112 548	111 449	111 582	111 112	109 217	108 985	110 115	109 702
1987 ---	111 763	112 517	112 186	112 839	113 454	112 874	113 482	114 883	114 585	115 587	116 249	116 276
1988 ---	117 947	119 045	119 437	120 797	121 681	121 880	122 648	123 924	123 435	124 514	124 912	124 957
1989 ---	126 852	127 467	127 590	129 401	129 727	129 582	130 694	131 198	130 316	130 786	130 742	129 190
1990 ---	131 919	132 367	131 880	131 917	132 192	130 960	132 741	133 660	135 213	136 417	135 776	134 520
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	114 597	114 437	114 660	114 074	112 349	111 941	112 763	112 647	112 051	112 076	112 053	111 420
1983 ---	110 563	109 969	108 776	108 464	108 357	109 101	110 221	110 849	112 123	112 810	112 620	112 536
1984 ---	112 607	113 880	115 046	115 987	117 657	118 742	119 212	119 921	120 463	120 120	119 162	118 200
1985 ---	116 334	116 866	116 648	116 729	116 622	116 352	115 700	115 348	115 094	115 365	115 385	116 621
1986 ---	114 761	114 355	113 195	113 116	112 064	111 829	111 762	110 929	109 828	110 015	110 240	110 721
1987 ---	111 369	111 949	112 189	112 287	113 019	113 339	113 558	114 598	115 166	115 594	116 375	117 422
1988 ---	117 517	118 463	119 498	120 210	121 143	122 318	122 603	123 586	124 015	124 585	125 152	126 207
1989 ---	126 390	126 831	127 577	128 792	129 204	130 104	130 592	130 796	130 802	130 820	131 052	130 564
1990 ---	131 479	131 774	131 953	131 324	131 671	131 496	132 583	133 265	135 714	136 347	135 983	135 975
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	.2	-5	-1.5	-4	7	-1	-5	-	-	-6
1983 ---	-8	-5	-1.1	-3	-1	7	10	6	1.1	6	-2	-1
1984 ---	1	1.1	1.0	.8	1.4	9	4	6	5	-3	-8	-8
1985 ---	-1.6	.5	-2	1	-1	-2	-6	-3	-2	2	-	1.1
1986 ---	-1.6	-4	-1.0	-1	-9	-2	-1	-7	-10	2	2	.4
1987 ---	6	5	2	1	7	3	2	9	5	4	7	.9
1988 ---	.1	.8	.9	.6	.8	10	2	8	3	5	5	.8
1989 ---	1	3	6	1.0	3	.7	4	2	-	5	2	-4
1990 ---	7	.2	.1	-5	3	-1	8	5	18	5	-3	-

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDURABLE GOODS WITH UNFILLED ORDERS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	23 253	23 737	23 783	24 031	24 152	24 042	23 878	23 547	22 988	22 810	22 615	22 471
1983	22 718	22 872	22 875	23 133	23 472	23 682	23 798	23 779	23 433	23 708	23 870	23 863
1984	24 343	24 824	25 322	25 839	26 327	26 766	27 040	27 117	26 837	26 710	26 586	26 339
1985	26 373	27 134	27 208	27 318	27 165	27 082	26 773	26 819	26 399	26 213	26 010	25 941
1986	25 926	26 493	26 667	27 008	26 963	27 058	27 402	27 183	26 655	26 467	26 497	26 282
1987	26 984	27 648	28 159	28 392	28 701	28 631	28 735	28 955	28 665	28 397	28 555	28 536
1988	29 091	29 669	30 069	30 834	31 221	31 330	31 789	32 102	31 780	31 489	31 627	31 443
1989	32 098	32 412	32 442	32 793	33 328	33 539	33 768	33 634	33 185	32 794	32 663	32 189
1990	32 851	33 285	33 522	33 843	34 058	34 107	34 693	34 443	33 772	33 458	33 314	32 804
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	23 576	23 737	23 575	23 557	23 563	23 447	23 397	23 323	23 340	23 345	23 218	23 115
1983	23 005	22 870	22 702	22 730	22 979	23 168	23 352	23 549	23 716	24 181	24 424	24 540
1984	24 660	24 827	25 169	25 435	25 839	26 249	26 548	26 820	27 063	27 169	27 143	27 095
1985	26 726	27 168	27 064	26 920	26 708	26 602	26 296	26 481	26 542	26 630	26 511	26 705
1986	26 283	26 539	26 561	26 643	26 520	26 610	26 917	26 801	26 735	26 864	26 975	27 088
1987	27 381	27 720	28 080	28 033	28 241	28 200	28 218	28 528	28 711	28 825	29 045	29 437
1988	29 493	29 755	30 011	30 476	30 716	30 863	31 193	31 590	31 796	31 957	32 143	32 444
1989	32 545	32 523	32 404	32 443	32 793	33 034	33 131	33 106	33 221	33 299	33 185	33 204
1990	33 262	33 381	33 491	33 498	33 510	33 599	34 040	33 885	33 811	33 972	33 840	33 836
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	7	-7	-1	-	-5	-2	-3	1	-	-5	-4
1983	-5	-6	-7	1	11	8	8	8	7	20	10	5
1984	5	7	14	11	16	16	11	10	9	4	-1	-2
1985	-14	17	-4	-5	-8	-4	-12	7	2	3	-4	7
1986	-16	10	1	3	-5	3	12	-4	-2	5	4	4
1987	11	12	13	-2	7	-1	1	11	6	4	8	13
1988	2	9	9	15	8	5	11	13	7	5	6	9
1989	3	-1	-4	1	11	7	3	-1	3	2	-3	1
1990	2	4	-3	-	-	3	13	-5	-2	5	-4	-
<b>FOOD AND KINDRED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	23 855	23 429	22 847	22 663	22 030	21 469	22 083	22 725	23 240	24 270	24 429	23 565
1983	23 766	23 225	22 668	22 372	21 964	21 447	21 795	22 987	23 667	24 701	24 886	24 151
1984	24 452	24 297	23 976	23 673	23 864	23 318	23 654	24 449	24 606	25 222	25 492	24 663
1985	24 599	24 375	23 672	23 625	23 296	22 793	23 156	24 110	24 119	25 115	24 891	24 427
1986	24 416	24 057	23 406	23 457	22 972	22 743	23 560	24 424	24 116	24 989	24 988	24 285
1987	24 552	24 208	23 568	23 599	23 611	23 541	23 621	24 527	25 054	25 905	25 943	25 306
1988	25 367	25 239	24 667	24 728	24 550	24 765	25 045	26 229	26 381	27 417	27 666	27 353
1989	27 315	26 860	26 147	26 465	25 661	25 391	26 084	27 054	27 330	27 947	27 972	27 335
1990	27 315	27 064	26 542	26 471	26 279	26 000	26 785	27 924	28 501	29 458	29 327	28 235
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	23 177	23 191	23 085	23 178	22 838	22 663	23 074	22 940	22 996	23 151	23 189	23 018
1983	23 139	22 988	22 942	22 874	22 724	22 610	22 689	23 150	23 595	23 611	23 591	23 609
1984	23 793	24 037	24 326	24 233	24 716	24 601	24 591	24 446	24 318	24 086	24 266	24 182
1985	24 021	24 176	24 090	24 228	24 126	23 999	23 992	24 006	23 832	24 025	23 767	23 991
1986	23 892	23 865	23 884	24 067	23 796	23 921	24 331	24 199	23 765	23 899	23 917	23 874
1987	24 088	24 042	24 079	24 192	24 477	24 756	24 342	24 268	24 730	24 777	24 809	24 859
1988	24 871	25 052	25 204	25 323	25 470	26 064	25 841	26 048	26 042	26 227	26 428	26 871
1989	26 754	26 644	26 672	27 080	26 626	26 727	26 856	26 785	26 852	26 698	26 747	26 880
1990	26 822	26 897	27 137	27 126	27 292	27 359	27 533	27 696	28 055	28 186	28 047	27 784
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	1	-5	4	-15	-8	18	-6	2	7	2	-7
1983	5	-7	-2	-3	-7	-5	3	20	19	1	-1	1
1984	8	10	12	-4	20	-5	-	-6	-5	-10	7	-3
1985	-7	6	-4	6	-4	-5	-	1	-	8	-11	9
1986	-4	-1	1	8	-11	5	17	-5	-18	6	1	-2
1987	9	-2	2	5	12	11	-17	-3	19	2	1	2
1988	-	7	6	5	6	23	-9	8	-	7	8	17
1989	-4	-4	1	15	-17	4	5	-3	3	-6	2	5
1990	-2	3	9	-	6	2	6	6	13	5	-5	-9

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MEAT PRODUCTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 055	2 159	2 255	2 287	2 238	2 084	2 033	1 985	1 989	2 093	2 153	1 965
1983 ---	2 108	2 133	2 078	2 139	2 091	1 990	1 932	1 877	1 876	2 020	2 125	2 041
1984 ---	2 151	2 187	2 209	2 224	2 264	2 192	2 182	2 077	2 016	2 102	2 203	2 073
1985 ---	2 094	2 179	2 088	2 122	2 100	2 049	2 061	2 016	1 945	2 144	2 101	2 042
1986 ---	2 123	2 104	2 034	2 071	2 055	2 041	2 121	2 131	2 106	2 168	2 234	2 093
1987 ---	2 199	2 229	2 253	2 299	2 251	2 200	2 199	2 167	2 175	2 235	2 348	2 210
1988 ---	2 380	2 452	2 436	2 458	2 383	2 330	2 416	2 397	2 414	2 492	2 597	2 516
1989 ---	2 576	2 680	2 711	2 758	2 735	2 696	2 591	2 589	2 632	2 639	2 713	2 591
1990 ---	2 735	2 807	2 839	2 951	2 922	2 956	2 937	2 905	2 934	2 988	3 114	2 906
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 029	2 098	2 220	2 199	2 186	2 096	2 093	2 093	2 102	2 095	2 086	1 996
1983 ---	2 084	2 068	2 047	2 060	2 037	2 005	1 976	1 973	1 986	2 027	2 059	2 078
1984 ---	2 126	2 120	2 179	2 149	2 210	2 211	2 217	2 173	2 130	2 113	2 135	2 116
1985 ---	2 064	2 112	2 060	2 061	2 062	2 074	2 081	2 095	2 042	2 158	2 037	2 091
1986 ---	2 095	2 041	2 005	2 015	2 029	2 069	2 134	2 203	2 188	2 184	2 173	2 152
1987 ---	2 174	2 166	2 217	2 235	2 229	2 233	2 209	2 232	2 248	2 254	2 292	2 282
1988 ---	2 364	2 387	2 390	2 379	2 357	2 364	2 429	2 467	2 482	2 517	2 541	2 608
1989 ---	2 566	2 613	2 652	2 661	2 701	2 734	2 606	2 664	2 700	2 670	2 658	2 690
1990 ---	2 736	2 735	2 772	2 842	2 882	2 997	2 955	2 990	3 010	3 027	3 053	3 016
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	3.4	5.8	-9	-6	-4.1	-1	-	.4	-3	-4	-4.3
1983 ---	4.4	-8	-1.0	6	-1.1	-1.6	-1.4	-2	7	2.1	1.6	-.9
1984 ---	2.3	-3	2.8	-1.4	2.8	-	3	-2.0	-8	-8	1.0	-.9
1985 ---	-2.5	2.3	-2.5	5	7	6	3	7	-2.5	5.7	-5.6	2.7
1986 ---	2	-2.6	-1.8	5	7	2.0	3.1	3.2	-7	-2	-5	-1.0
1987 ---	1.0	-4	2.4	8	-3	2	-1.1	1.6	7	3	1.7	-.4
1988 ---	3.6	1.3	1	-5	-3	3	2.7	1.6	6	1.4	1.0	2.6
1989 ---	-1.6	1.3	1.5	3	1.5	1.2	-4.7	2.2	1.4	-1.1	-.4	1.2
1990 ---	1.7	-	1.4	2.5	1.4	4.0	-1.4	1.2	7	6	9	-1.2
<b>DAIRY PRODUCTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	1 737	1 735	1 747	1 773	1 793	1 743	1 769	1 780	1 739	1 749	1 716	1 721
1983 ---	1 792	1 794	1 779	1 834	1 880	1 878	1 912	1 853	1 780	1 844	1 869	1 795
1984 ---	1 836	1 838	1 890	1 944	1 954	1 932	1 974	1 944	1 893	1 911	1 843	1 827
1985 ---	1 839	1 864	1 896	1 908	1 908	1 930	1 880	1 855	1 831	1 825	1 799	1 837
1986 ---	1 823	1 814	1 820	1 911	1 914	1 899	1 893	1 926	1 898	1 977	1 968	1 952
1987 ---	1 991	1 977	2 055	2 089	2 152	2 125	2 144	2 179	2 114	2 139	2 074	2 032
1988 ---	2 043	2 065	2 037	2 087	2 129	2 061	2 118	2 091	2 073	2 103	2 106	2 145
1989 ---	2 221	2 256	2 233	2 274	2 294	2 262	2 318	2 250	2 187	2 200	2 181	2 209
1990 ---	2 285	2 253	2 365	2 443	2 512	2 581	2 694	2 688	2 661	2 566	2 497	2 416
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 753	1 762	1 761	1 740	1 740	1 708	1 727	1 756	1 754	1 757	1 766	1 781
1983 ---	1 811	1 818	1 787	1 799	1 827	1 845	1 869	1 830	1 796	1 850	1 920	1 855
1984 ---	1 858	1 862	1 895	1 908	1 901	1 901	1 934	1 921	1 911	1 914	1 889	1 885
1985 ---	1 864	1 890	1 900	1 871	1 856	1 904	1 844	1 833	1 850	1 825	1 840	1 892
1986 ---	1 848	1 839	1 824	1 877	1 862	1 876	1 855	1 904	1 919	1 978	2 010	2 008
1987 ---	2 017	2 002	2 062	2 054	2 094	2 102	2 097	2 152	2 141	2 145	2 119	2 088
1988 ---	2 064	2 089	2 047	2 057	2 072	2 038	2 065	2 063	2 101	2 115	2 153	2 205
1989 ---	2 240	2 280	2 245	2 244	2 233	2 237	2 251	2 218	2 218	2 219	2 233	2 273
1990 ---	2 302	2 273	2 378	2 413	2 446	2 552	2 610	2 650	2 698	2 593	2 559	2 486
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	5	-1	-1.2	-	-1.8	1.1	1.7	-1	2	.5	8
1983 ---	1.7	4	-1.7	7	1.6	1.0	1.3	-2.1	-1.9	3.0	3.8	-3.4
1984 ---	.2	2	1.9	7	-4	-	1.7	-7	-5	2	-1.3	-.2
1985 ---	-1.1	1.4	5	-1.5	-8	2.6	-3.2	-6	9	-1.4	8	2.8
1986 ---	-2.3	-5	-8	2.9	-8	8	-1.1	2.6	8	3.1	1.6	-.1
1987 ---	4	-7	3.0	-4	1.9	4	-2	2.6	-5	2	-1.2	-1.5
1988 ---	-1.1	1.2	-2.0	5	7	-1.6	1.3	-1	7	1.8	2.4	1.8
1989 ---	1.6	1.8	-1.5	-	-5	2	6	-1.5	-	-	6	1.8
1990 ---	1.3	-1.3	4.6	1.5	1.4	4.3	2.3	1.5	1.8	-3.9	-1.3	-2.9

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>BEVERAGES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	4 622	4 666	4 655	4 561	4 459	4 389	4 267	4 199	4 287	4 367	4 357	4 429
1983 ---	4 526	4 637	4 621	4 604	4 642	4 552	4 358	4 243	4 130	4 201	4 156	4 292
1984 ---	4 387	4 443	4 432	4 541	4 517	4 423	4 321	4 294	4 333	4 280	4 279	4 367
1985 ---	4 417	4 523	4 677	4 633	4 606	4 577	4 579	4 549	4 498	4 606	4 514	4 654
1986 ---	4 733	4 814	4 737	4 800	4 728	4 706	4 698	4 604	4 570	4 509	4 523	4 590
1987 ---	4 629	4 676	4 676	4 704	4 607	4 552	4 408	4 378	4 482	4 519	4 516	4 553
1988 ---	4 589	4 561	4 532	4 610	4 635	4 548	4 554	4 561	4 716	4 709	4 788	4 881
1989 ---	4 713	4 748	4 794	4 828	4 799	4 656	4 598	4 549	4 637	4 668	4 621	4 563
1990 ---	4 607	4 753	4 730	4 711	4 645	4 561	4 589	4 603	4 655	4 690	4 646	4 567
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 536	4 530	4 480	4 415	4 368	4 402	4 414	4 397	4 402	4 440	4 454	4 427
1983 ---	4 451	4 500	4 465	4 452	4 542	4 547	4 480	4 410	4 240	4 287	4 262	4 301
1984 ---	4 323	4 318	4 307	4 396	4 422	4 406	4 418	4 430	4 441	4 369	4 390	4 378
1985 ---	4 360	4 406	4 575	4 495	4 518	4 558	4 668	4 670	4 590	4 692	4 613	4 665
1986 ---	4 680	4 706	4 655	4 670	4 649	4 700	4 787	4 716	4 643	4 571	4 596	4 599
1987 ---	4 583	4 581	4 607	4 590	4 546	4 567	4 494	4 481	4 532	4 558	4 558	4 566
1988 ---	4 550	4 473	4 468	4 512	4 584	4 581	4 647	4 672	4 752	4 725	4 809	4 901
1989 ---	4 677	4 660	4 730	4 735	4 752	4 706	4 693	4 660	4 658	4 670	4 626	4 590
1990 ---	4 575	4 669	4 669	4 625	4 599	4 619	4 683	4 717	4 671	4 684	4 645	4 600
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-1.1	-1.5	-1.1	.8	-.3	-.4	1	.9	-.3	-6
1983 ---	.5	1.1	-.3	-.3	2.0	.1	-1.5	-1.6	-3.9	1.1	-.6	-.9
1984 ---	.5	-.1	-.3	2.1	.6	-.4	-.3	.3	-.2	-1.6	-.5	-.3
1985 ---	-.4	1.1	3.8	-1.7	.5	.9	2.4	-.1	-1.7	2.2	-1.7	1.1
1986 ---	-.3	.6	-1.1	-.3	-.4	1.1	1.9	-1.5	-1.5	-1.6	-.5	.1
1987 ---	-.3	-.6	-.1	-.4	-1.0	.5	-1.6	-.3	1.1	.6	-.2	.2
1988 ---	-.4	-1.7	-.1	1.0	1.6	-.1	1.4	.5	1.7	-.6	1.8	1.9
1989 ---	-4.6	-.4	1.5	.1	.4	-1.0	-.3	-.7	-.3	-.3	-.9	-.8
1990 ---	-.3	2.1	-	-.9	-.6	-.4	1.4	-.7	-1.0	.3	-.8	-1.0
<b>ALL OTHER FOODS EXCEPT FATS AND OILS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	13 673	13 290	12 706	12 543	12 106	11 875	12 758	13 667	14 154	14 724	14 545	13 856
1983 ---	13 797	13 069	12 744	12 312	12 072	11 855	12 394	13 579	14 084	14 439	14 506	13 964
1984 ---	14 025	13 765	13 511	13 179	13 300	13 106	13 744	14 821	15 214	15 613	15 540	14 780
1985 ---	14 699	14 439	13 656	13 538	13 396	12 980	13 414	14 468	14 731	15 210	15 104	14 542
1986 ---	14 277	13 995	13 581	13 563	13 255	13 086	13 878	14 845	14 673	15 255	15 114	14 562
1987 ---	14 635	14 179	13 537	13 385	13 410	13 474	13 856	14 841	15 059	15 629	15 374	14 985
1988 ---	14 846	14 604	14 071	13 894	13 682	13 830	14 365	15 581	15 715	16 239	16 049	15 740
1989 ---	15 490	15 130	14 441	14 671	14 260	14 363	15 264	16 505	16 739	17 143	17 016	16 462
1990 ---	16 358	15 947	15 292	15 013	14 883	14 635	15 304	16 411	16 939	17 494	17 359	16 870
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	13 304	13 365	13 184	13 305	13 025	12 959	13 399	13 381	13 396	13 568	13 510	13 402
1983 ---	13 437	13 140	13 232	13 070	12 972	12 952	13 003	13 241	13 345	13 310	13 472	13 533
1984 ---	13 673	13 834	14 054	13 998	14 264	14 311	14 403	14 395	14 427	14 408	14 455	14 340
1985 ---	14 354	14 502	14 227	14 385	14 356	14 142	14 021	14 002	13 995	14 054	14 081	14 108
1986 ---	13 957	14 044	14 193	14 413	14 207	14 219	14 460	14 328	13 957	14 111	14 127	14 111
1987 ---	14 321	14 224	14 175	14 225	14 394	14 610	14 397	14 303	14 333	14 464	14 399	14 507
1988 ---	14 517	14 652	14 761	14 771	14 710	14 986	14 895	15 008	14 951	15 028	15 048	15 229
1989 ---	15 140	15 185	15 155	15 608	15 354	15 559	15 812	15 902	15 914	15 861	15 960	15 922
1990 ---	15 980	16 002	16 058	15 974	16 042	15 851	15 849	15 815	16 099	16 183	16 280	16 309
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.5	-1.4	.9	-2.1	-.5	3.4	-.1	.1	1.3	-.4	-.8
1983 ---	-.3	-2.2	.7	-1.2	-.7	-.2	.4	1.8	.8	-.3	1.2	.5
1984 ---	1.0	1.2	1.6	-.4	1.9	.3	.6	-.1	.2	-.1	.3	-.8
1985 ---	-.1	1.0	-1.9	1.1	-.2	-1.5	-.9	-.1	-.2	.4	.2	.2
1986 ---	-1.1	.6	1.1	1.6	-1.4	.1	1.7	-.9	-2.6	1.1	.1	-.1
1987 ---	1.5	-.7	-.3	.4	1.2	1.5	-1.5	-.7	.2	.9	-.4	.8
1988 ---	-.1	.9	.7	.1	-.4	1.9	-.6	.8	-.4	.5	.1	1.2
1989 ---	-.6	.3	-.2	3.0	-1.6	1.3	1.6	.6	.1	-.3	.6	-.2
1990 ---	.4	.1	-.3	-.5	.4	-1.2	-.2	-.2	1.8	.5	.6	.2

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TOBACCO PRODUCTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 148	7 132	7 068	7 210	6 959	6 686	6 571	6 599	6 768	6 827	6 908	7 186
1983 ---	6 982	6 944	6 874	6 901	6 614	6 543	6 686	6 504	6 877	7 015	6 987	7 087
1984 ---	7 124	6 949	6 745	6 558	6 274	5 959	5 726	5 927	6 424	6 619	6 591	6 883
1985 ---	7 035	6 949	6 624	6 455	6 116	5 695	5 487	5 528	5 847	6 133	6 005	6 255
1986 ---	6 304	6 255	6 022	5 876	5 586	5 139	4 961	4 963	5 212	5 418	5 440	5 711
1987 ---	5 825	5 743	5 616	5 566	5 456	5 281	5 169	5 194	5 326	5 419	5 362	5 562
1988 ---	5 729	5 636	5 501	5 451	5 186	4 996	4 945	5 069	5 202	5 474	5 337	5 475
1989 ---	5 351	5 359	5 157	5 138	4 965	4 834	4 859	4 955	5 060	5 263	5 209	5 322
1990 ---	5 705	5 727	5 459	5 400	5 117	5 012	4 949	5 160	5 290	5 428	5 251	5 607
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 663	6 679	6 699	6 989	7 065	7 103	7 280	7 153	6 959	6 862	6 833	6 873
1983 ---	6 514	6 503	6 535	6 687	6 714	6 979	7 391	7 056	7 063	7 015	6 914	6 745
1984 ---	6 648	6 516	6 450	6 373	6 376	6 372	6 317	6 422	6 586	6 574	6 526	6 531
1985 ---	6 562	6 525	6 372	6 301	6 226	6 099	6 036	5 985	6 052	6 052	5 945	5 934
1986 ---	5 870	5 887	5 828	5 762	5 695	5 506	5 431	5 336	5 333	5 327	5 391	5 428
1987 ---	5 417	5 417	5 458	5 474	5 576	5 654	5 626	5 548	5 449	5 324	5 320	5 296
1988 ---	5 325	5 330	5 365	5 371	5 317	5 335	5 352	5 379	5 318	5 380	5 302	5 228
1989 ---	4 972	5 078	5 039	5 068	5 107	5 150	5 241	5 235	5 164	5 173	5 179	5 094
1990 ---	5 299	5 434	5 341	5 329	5 273	5 333	5 330	5 438	5 396	5 332	5 225	5 375
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2	3	4.3	1.1	.5	2.5	-1.7	-2.7	-1.4	-4	6
1983 ---	-5.2	-2	.5	2.3	4	3.9	5.9	-4.5	1	-7	-1.4	-2.4
1984 ---	-1.4	-2.0	-1.0	-1.2	-	-1	-9	1.7	2.6	-2	-7	.1
1985 ---	.5	-6	-2.3	-1.1	-1.2	-2.0	-1.0	-1.0	.2	1.1	-1.8	-2
1986 ---	-1.1	.3	-1.0	-1.1	-1.2	-3.3	-1.4	-1.7	-1	-1	1.2	.7
1987 ---	-2	-	.8	.3	1.9	1.4	-5	-1.4	-1.8	-2.3	-1	-5
1988 ---	.5	1	.7	1	-1.0	3	.3	.5	-1.1	1.2	-1.4	-1.4
1989 ---	-4.9	2.1	-8	6	8	1.8	1.8	-1	-1.4	.2	.1	-1.6
1990 ---	4.0	2.5	-1.7	-2	-1.1	1.1	-1	2.0	-8	-1.2	-2.0	2.9
<b>TEXTILE MILL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 081	7 172	7 071	7 071	7 085	6 826	6 812	6 717	6 558	6 436	6 527	6 551
1983 ---	6 720	6 780	6 843	6 925	7 103	7 091	7 130	7 165	7 178	7 240	7 329	7 312
1984 ---	7 560	7 705	7 856	7 913	8 105	8 079	8 087	8 067	7 883	7 828	7 689	7 599
1985 ---	7 678	7 842	7 783	7 746	7 686	7 559	7 434	7 302	7 277	7 278	7 234	7 197
1986 ---	7 113	7 338	7 430	7 500	7 511	7 516	7 400	7 146	7 043	6 874	6 903	6 939
1987 ---	7 173	7 465	7 656	7 731	7 733	7 677	7 695	7 831	7 671	7 675	7 704	7 643
1988 ---	7 944	8 066	8 153	8 347	8 430	8 417	8 517	8 423	8 089	8 111	8 176	8 079
1989 ---	8 361	8 473	8 392	8 679	8 874	8 770	8 945	8 957	8 718	8 716	8 606	8 616
1990 ---	8 928	9 160	9 177	9 358	9 428	9 158	9 210	9 116	8 957	8 869	8 677	8 462
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 051	7 033	6 917	6 897	6 877	6 733	6 784	6 738	6 711	6 649	6 713	6 723
1983 ---	6 716	6 678	6 712	6 777	6 900	6 989	7 084	7 173	7 316	7 445	7 524	7 514
1984 ---	7 588	7 617	7 723	7 754	7 877	7 959	8 015	8 060	8 014	8 024	7 888	7 827
1985 ---	7 734	7 781	7 662	7 586	7 474	7 436	7 346	7 279	7 391	7 454	7 428	7 437
1986 ---	7 180	7 291	7 324	7 334	7 296	7 386	7 289	7 110	7 153	7 037	7 097	7 191
1987 ---	7 246	7 421	7 558	7 549	7 509	7 551	7 559	7 781	7 796	7 863	7 926	7 944
1988 ---	8 018	8 016	8 057	8 142	8 182	8 289	8 352	8 360	8 221	8 311	8 414	8 417
1989 ---	8 431	8 418	8 306	8 465	8 605	8 642	8 755	8 874	8 857	8 929	8 858	8 999
1990 ---	9 001	9 105	9 095	9 133	9 134	9 026	9 005	9 021	9 096	9 080	8 933	8 846
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-1.6	-3	-3	-2.1	8	-7	-4	-9	1.0	1
1983 ---	-1	-6	.5	1.0	1.8	1.3	1.4	1.3	2.0	1.8	1.1	-1
1984 ---	1.0	4	1.4	4	1.6	1.0	.7	6	-6	1	-1.7	-8
1985 ---	-1.2	6	-1.5	-1.0	-1.5	-5	-1.2	-9	1.5	9	-3	1
1986 ---	-3.5	1.5	.5	1	-5	1.2	-1.3	-2.5	6	-1.6	9	1.3
1987 ---	8	2.4	1.8	-1	-5	6	1	2.9	2	9	8	2
1988 ---	9	-	.5	1.1	5	1.3	8	1	-1.7	1.1	1.2	-
1989 ---	2	-2	-1.3	1.9	1.7	4	1.3	1.4	-2	8	-8	1.6
1990 ---	-	1.2	-1	4	-	-1.2	-2	2	8	-2	-1.6	-1.0

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>BROADWOVEN FABRICS AND OTHER TEXTILES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	4 592	4 663	4 580	4 556	4 526	4 339	4 369	4 309	4 182	4 145	4 224	4 214
1983 ---	4 332	4 341	4 358	4 378	4 440	4 418	4 474	4 490	4 466	4 569	4 627	4 602
1984 ---	4 701	4 798	4 913	4 929	5 028	5 090	5 082	5 075	4 923	4 939	4 850	4 760
1985 ---	4 743	4 822	4 819	4 774	4 746	4 571	4 493	4 376	4 399	4 416	4 436	4 401
1986 ---	4 256	4 431	4 476	4 514	4 434	4 442	4 400	4 190	4 189	4 076	4 121	4 170
1987 ---	4 274	4 451	4 515	4 577	4 521	4 489	4 579	4 709	4 573	4 573	4 677	4 625
1988 ---	4 807	4 861	4 926	5 022	5 077	5 105	5 133	5 074	4 901	4 885	4 990	4 927
1989 ---	5 109	5 123	5 070	5 202	5 291	5 249	5 302	5 276	5 159	5 163	5 190	5 148
1990 ---	5 282	5 405	5 371	5 446	5 448	5 279	5 321	5 249	5 173	5 218	5 165	5 000
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 555	4 566	4 479	4 457	4 431	4 314	4 357	4 325	4 300	4 268	4 305	4 288
1983 ---	4 315	4 269	4 269	4 293	4 353	4 386	4 455	4 494	4 574	4 684	4 703	4 688
1984 ---	4 706	4 737	4 821	4 835	4 933	5 046	5 051	5 085	5 026	5 052	4 925	4 859
1985 ---	4 767	4 777	4 734	4 679	4 658	4 520	4 455	4 377	4 485	4 521	4 507	4 503
1986 ---	4 285	4 395	4 402	4 417	4 350	4 387	4 353	4 185	4 270	4 179	4 191	4 276
1987 ---	4 302	4 416	4 448	4 474	4 431	4 432	4 520	4 698	4 663	4 699	4 759	4 755
1988 ---	4 828	4 819	4 861	4 908	4 969	5 046	5 059	5 059	4 999	5 024	5 074	5 079
1989 ---	5 120	5 076	5 012	5 088	5 173	5 192	5 220	5 256	5 263	5 311	5 273	5 318
1990 ---	5 285	5 354	5 315	5 332	5 320	5 224	5 237	5 226	5 280	5 365	5 245	5 170
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.2	-1.9	-.5	-.6	-2.6	1.0	-.7	-.6	-.7	9	-.4
1983 ---	6	-1.1	-	6	1.4	8	1.6	9	1.8	2.4	4	-.3
1984 ---	4	7	1.8	3	2.0	2.3	1	-.7	-1.2	5	-2.5	-1.3
1985 ---	-1.9	2	-.9	-1.2	-.4	-3.0	-1.4	-1.8	2.5	8	-.3	-.1
1986 ---	-4.8	2.6	2	3	-1.5	9	-.8	-3.9	2.0	-2.1	3	2.0
1987 ---	6	2.6	.7	6	-1.0	-	2.0	3.9	-.7	8	1.3	-.1
1988 ---	1.5	-.2	9	1.0	1.2	1.5	-.3	-	-1.2	5	1.0	1
1989 ---	8	-.9	-1.3	1.5	1.7	4	.5	.7	1	9	-.7	.9
1990 ---	-.6	1.3	-.7	3	-.2	-1.8	2	-.2	1.0	1.6	-2.2	-1.4
<b>PAPER AND ALLIED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	8 812	9 076	9 223	9 342	9 376	9 295	9 138	9 045	8 907	8 961	8 984	8 898
1983 ---	8 839	8 886	8 904	8 955	9 051	9 030	8 891	8 830	8 736	8 951	9 114	9 075
1984 ---	9 161	9 352	9 395	9 495	9 590	9 599	9 987	9 948	9 943	10 058	10 232	10 183
1985 ---	10 334	10 405	10 524	10 513	10 428	10 340	10 027	10 007	9 846	9 894	9 978	10 072
1986 ---	10 116	10 111	10 210	10 319	10 313	10 289	10 343	10 254	10 038	9 996	10 132	10 199
1987 ---	10 410	10 608	10 838	10 906	11 014	10 966	10 854	10 867	10 775	10 721	10 836	11 111
1988 ---	11 253	11 325	11 378	11 575	11 624	11 659	11 676	11 758	11 786	11 854	12 139	12 385
1989 ---	12 479	12 493	12 512	12 620	12 745	12 912	12 936	12 940	12 816	12 768	12 847	12 913
1990 ---	13 218	13 286	13 239	13 306	13 334	13 370	13 343	13 138	13 024	12 943	13 100	13 319
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 891	9 047	9 127	9 110	9 128	9 102	9 085	9 113	9 148	9 151	9 120	9 024
1983 ---	8 891	8 847	8 810	8 748	8 837	8 869	8 853	8 910	8 958	9 133	9 227	9 193
1984 ---	9 197	9 304	9 395	9 544	9 687	9 802	9 958	10 041	10 177	10 260	10 345	10 300
1985 ---	10 347	10 345	10 415	10 302	10 222	10 199	10 012	10 093	10 061	10 099	10 077	10 174
1986 ---	10 107	10 047	10 110	10 131	10 130	10 160	10 332	10 326	10 237	10 213	10 236	10 285
1987 ---	10 380	10 536	10 745	10 729	10 846	10 845	10 836	10 926	10 964	10 961	10 951	11 187
1988 ---	11 199	11 246	11 294	11 415	11 472	11 538	11 650	11 808	11 977	12 123	12 269	12 448
1989 ---	12 405	12 400	12 434	12 466	12 599	12 784	12 899	12 993	13 013	13 060	12 991	12 962
1990 ---	13 120	13 185	13 165	13 153	13 194	13 245	13 303	13 192	13 225	13 241	13 247	13 362
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.8	.9	-.2	.2	-.3	-.2	.3	.4	-.	-.3	-1.1
1983 ---	-1.5	-.5	-.4	-.7	1.0	-.4	-.2	.6	.5	2.0	1.0	-.4
1984 ---	-	1.2	1.0	1.6	1.5	1.2	1.6	.8	1.4	.8	.8	-.4
1985 ---	5	-.	.7	-1.1	-.8	-.2	-1.8	.8	-.3	.4	-.2	1.0
1986 ---	-.7	-.6	.6	.2	-.3	-.3	-.1	-.1	-.9	-.2	.2	.5
1987 ---	.9	1.5	2.0	-.1	1.1	-.	-.1	.8	.3	-.	-.1	2.2
1988 ---	1	.4	.4	1.1	.5	.6	1.0	1.4	1.4	1.2	1.2	1.5
1989 ---	-.3	-.3	.3	.3	1.1	1.5	.9	.7	.2	.4	-.5	-.2
1990 ---	1.2	.5	-.2	-.1	.3	.4	.4	-.8	.3	1	-.	.9

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PULP, PAPER, AND PAPERBOARD MILL PRODUCTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 363	3 427	3 483	3 524	3 574	3 544	3 527	3 536	3 472	3 501	3 501	3 479
1983 ---	3 469	3 471	3 436	3 483	3 513	3 471	3 393	3 372	3 311	3 399	3 443	3 408
1984 ---	3 375	3 439	3 461	3 520	3 550	3 577	3 626	3 629	3 630	3 668	3 726	3 808
1985 ---	3 899	3 895	3 948	3 890	3 885	3 896	3 836	3 767	3 736	3 746	3 739	3 819
1986 ---	3 898	3 911	3 896	3 871	3 855	3 796	3 772	3 693	3 631	3 668	3 733	3 771
1987 ---	3 805	3 883	3 909	3 901	3 926	3 900	3 846	3 831	3 787	3 758	3 808	3 998
1988 ---	4 205	4 137	4 114	4 137	4 114	4 122	4 139	4 162	4 184	4 198	4 302	4 442
1989 ---	4 672	4 715	4 774	4 831	4 885	4 872	4 910	4 930	4 919	5 016	5 040	5 117
1990 ---	5 223	5 257	5 194	5 237	5 246	5 251	5 300	5 270	5 234	5 198	5 291	5 454
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 371	3 413	3 439	3 474	3 500	3 497	3 529	3 548	3 567	3 559	3 554	3 496
1983 ---	3 459	3 448	3 390	3 435	3 449	3 432	3 396	3 398	3 398	3 462	3 496	3 421
1984 ---	3 350	3 405	3 407	3 472	3 492	3 542	3 631	3 671	3 726	3 746	3 787	3 818
1985 ---	3 853	3 843	3 881	3 835	3 828	3 865	3 844	3 822	3 835	3 837	3 804	3 826
1986 ---	3 836	3 845	3 824	3 815	3 804	3 772	3 785	3 752	3 728	3 767	3 802	3 775
1987 ---	3 731	3 804	3 837	3 842	3 878	3 885	3 862	3 892	3 887	3 868	3 878	4 000
1988 ---	4 116	4 045	4 040	4 075	4 066	4 113	4 160	4 225	4 293	4 327	4 380	4 439
1989 ---	4 569	4 604	4 695	4 758	4 833	4 868	4 934	4 998	5 042	5 174	5 130	5 111
1990 ---	5 106	5 133	5 112	5 158	5 194	5 250	5 327	5 339	5 361	5 363	5 386	5 447
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.2	.8	1.0	.7	-.1	-.9	.5	.5	-.2	-.1	-1.6
1983 ---	-1.1	-.3	-1.7	1.3	.4	-.5	-1.0	.1	-.1	1.9	1.0	-2.1
1984 ---	-2.1	1.6	.1	1.9	.6	1.4	2.5	1.1	1.5	.5	1.1	.8
1985 ---	.9	-.3	1.0	-1.2	-.2	1.0	-.5	-.6	.3	.1	-.9	.6
1986 ---	.3	.2	-.5	-.2	-.3	-.8	-.3	-.9	-.6	1.0	.9	-.7
1987 ---	-1.2	2.0	.9	.1	-.9	.2	-.6	.8	-.1	-.5	.3	3.1
1988 ---	2.9	-1.7	-.1	.9	-.2	1.2	1.1	1.6	1.6	.8	1.2	1.3
1989 ---	2.9	.8	2.0	1.3	1.6	.7	1.4	1.3	.9	2.6	-.9	-.4
1990 ---	-.1	.5	-.4	.9	.7	1.1	1.5	.2	.4	-.1	.4	1.1
<b>PAPERBOARD CONTAINERS AND BOXES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 369	2 391	2 422	2 461	2 469	2 478	2 386	2 382	2 343	2 343	2 323	2 349
1983 ---	2 289	2 263	2 282	2 326	2 333	2 356	2 350	2 326	2 284	2 318	2 391	2 431
1984 ---	2 434	2 501	2 558	2 643	2 674	2 705	2 737	2 711	2 730	2 721	2 761	2 749
1985 ---	2 789	2 801	2 839	2 774	2 689	2 667	2 463	2 507	2 438	2 398	2 409	2 527
1986 ---	2 516	2 488	2 518	2 497	2 470	2 485	2 514	2 551	2 544	2 516	2 522	2 617
1987 ---	2 756	2 810	2 865	2 875	2 919	2 877	2 884	2 948	2 949	2 940	2 967	2 961
1988 ---	2 921	2 949	3 012	3 109	3 153	3 105	3 152	3 170	3 174	3 164	3 181	3 257
1989 ---	3 185	3 131	3 110	3 166	3 172	3 187	3 285	3 292	3 333	3 254	3 214	3 243
1990 ---	3 379	3 312	3 343	3 367	3 300	3 270	3 282	3 208	3 196	3 119	3 122	3 277
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 388	2 395	2 401	2 400	2 415	2 414	2 342	2 390	2 394	2 421	2 377	2 377
1983 ---	2 301	2 261	2 258	2 271	2 289	2 305	2 319	2 337	2 333	2 389	2 441	2 453
1984 ---	2 437	2 492	2 527	2 586	2 632	2 661	2 715	2 724	2 782	2 796	2 815	2 769
1985 ---	2 780	2 787	2 803	2 721	2 653	2 640	2 453	2 515	2 475	2 456	2 453	2 543
1986 ---	2 499	2 476	2 489	2 456	2 443	2 475	2 510	2 553	2 569	2 567	2 566	2 629
1987 ---	2 730	2 804	2 839	2 836	2 894	2 879	2 879	2 943	2 961	2 989	3 018	2 967
1988 ---	2 891	2 953	2 997	3 076	3 132	3 117	3 142	3 157	3 173	3 206	3 234	3 253
1989 ---	3 154	3 148	3 107	3 138	3 155	3 205	3 268	3 275	3 321	3 290	3 266	3 231
1990 ---	3 350	3 338	3 348	3 339	3 284	3 290	3 260	3 191	3 181	3 152	3 172	3 261
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.3	.3	-.1	.6	-.1	-3.0	2.0	.2	1.1	-1.8	-.1
1983 ---	-3.2	-1.7	-.1	.6	.8	.7	-.6	.8	-.2	2.4	2.2	.5
1984 ---	-.7	2.3	1.4	2.3	1.8	1.1	2.0	.3	2.1	.5	.7	-1.6
1985 ---	.4	.3	.6	-.29	-.25	-.5	-.71	2.5	-1.6	-.8	-.1	3.7
1986 ---	-1.7	-.9	.5	-1.3	-.5	1.3	1.4	1.7	.6	-.1	-.1	2.5
1987 ---	3.8	2.7	1.2	-.1	2.0	-.5	-.1	2.2	.6	.9	1.0	-1.7
1988 ---	-2.6	2.1	1.5	2.6	1.8	-.5	.8	.5	.5	1.0	.9	.6
1989 ---	-3.0	-.2	-1.3	1.0	.5	1.6	2.0	.2	1.4	-.9	-.7	-1.1
1990 ---	3.7	-.4	-.3	-.3	-1.6	2	-.9	-2.1	-.3	-.9	.6	2.8

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MISCELLANEOUS CONVERTED PAPER PRODUCTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 080	3 258	3 318	3 357	3 333	3 273	3 225	3 127	3 092	3 117	3 160	3 070
1983 ---	3 081	3 152	3 186	3 146	3 205	3 203	3 148	3 132	3 141	3 234	3 280	3 236
1984 ---	3 352	3 412	3 476	3 593	3 678	3 677	3 624	3 608	3 583	3 669	3 745	3 626
1985 ---	3 646	3 709	3 737	3 849	3 854	3 777	3 728	3 733	3 672	3 750	3 830	3 726
1986 ---	3 702	3 712	3 796	3 951	3 988	4 008	4 057	4 010	3 863	3 812	3 877	3 811
1987 ---	3 849	3 915	4 064	4 130	4 169	4 189	4 124	4 088	4 039	4 023	4 061	4 152
1988 ---	4 127	4 239	4 252	4 329	4 357	4 432	4 385	4 426	4 428	4 492	4 656	4 686
1989 ---	4 622	4 647	4 628	4 623	4 688	4 853	4 741	4 718	4 564	4 498	4 593	4 553
1990 ---	4 616	4 717	4 702	4 702	4 788	4 849	4 761	4 660	4 594	4 626	4 687	4 588
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 132	3 239	3 287	3 236	3 213	3 191	3 214	3 175	3 187	3 171	3 189	3 151
1983 ---	3 131	3 138	3 162	3 042	3 099	3 132	3 138	3 175	3 227	3 282	3 290	3 319
1984 ---	3 410	3 407	3 461	3 486	3 563	3 599	3 612	3 646	3 669	3 718	3 743	3 713
1985 ---	3 714	3 715	3 731	3 746	3 741	3 694	3 715	3 756	3 751	3 806	3 820	3 805
1986 ---	3 772	3 726	3 797	3 860	3 883	3 913	4 037	4 021	3 940	3 879	3 868	3 881
1987 ---	3 919	3 928	4 069	4 051	4 074	4 081	4 095	4 091	4 116	4 104	4 055	4 220
1988 ---	4 192	4 248	4 257	4 264	4 274	4 308	4 348	4 426	4 511	4 590	4 655	4 756
1989 ---	4 682	4 648	4 632	4 570	4 611	4 711	4 697	4 720	4 650	4 586	4 595	4 620
1990 ---	4 664	4 714	4 705	4 656	4 716	4 705	4 716	4 662	4 683	4 726	4 689	4 654
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	3.4	1.5	-1.6	-7	-7	.7	-1.2	4	-5	6	-1.2
1983 ---	-6	2	8	-3.8	1.9	1.1	2	1.2	1.6	1.7	2	.9
1984 ---	2.7	-1	1.6	7	2.2	1.0	4	.9	6	1.3	7	-8
1985 ---	-	-	.4	4	-1	-1.3	6	1.1	-1	1.5	4	-4
1986 ---	-9	-1.2	1.9	1.7	6	8	3.2	-4	-2.0	-1.5	-3	3
1987 ---	1.0	.2	3.6	-4	6	2	3	-1	6	-3	-1.2	4.1
1988 ---	-7	1.3	2	2	2	8	9	1.8	1.9	1.8	1.4	2.2
1989 ---	-1.6	-7	-3	-1.3	9	2.2	-3	5	-1.5	-1.2	-	.5
1990 ---	1.0	1.1	-2	-1.0	1.3	-2	-2	-1.1	5	9	-8	-7
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	25 874	26 120	26 070	26 197	25 553	25 084	25 221	24 880	24 270	24 488	24 447	24 278
1983 ---	24 274	24 433	24 231	24 368	24 113	23 732	24 062	24 220	23 726	24 152	24 525	24 532
1984 ---	24 663	25 147	25 516	25 795	25 868	26 323	26 509	26 718	26 614	26 606	26 445	26 238
1985 ---	25 836	26 162	26 276	26 167	26 314	26 330	26 407	26 329	26 045	26 100	26 318	25 952
1986 ---	26 112	26 160	26 058	26 075	25 670	25 610	25 732	25 271	24 756	25 008	25 162	25 558
1987 ---	25 775	25 953	25 685	25 712	25 587	25 238	25 689	25 526	25 369	25 785	26 120	26 388
1988 ---	27 139	27 756	27 777	27 511	27 572	27 712	28 118	28 259	28 177	28 632	29 009	29 372
1989 ---	29 899	30 479	30 980	31 195	31 300	31 255	31 448	31 395	30 991	31 142	31 219	30 861
1990 ---	30 880	31 123	31 221	31 343	31 287	31 040	31 505	31 109	31 014	31 548	31 930	32 118
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 550	25 551	25 592	25 667	25 274	25 178	25 255	25 090	24 921	24 993	24 724	24 449
1983 ---	24 038	23 983	23 830	23 921	23 947	23 822	24 068	24 354	24 311	24 545	24 751	24 700
1984 ---	24 483	24 775	25 151	25 396	25 749	26 413	26 466	26 788	27 189	26 964	26 634	26 421
1985 ---	25 682	25 823	25 949	25 835	26 213	26 396	26 331	26 386	26 554	26 393	26 462	26 126
1986 ---	25 967	25 836	25 754	25 808	25 596	25 671	25 639	25 335	25 203	25 271	25 292	25 750
1987 ---	25 650	25 654	25 416	25 477	25 498	25 262	25 562	25 603	25 810	26 058	26 274	26 599
1988 ---	27 008	27 427	27 497	27 264	27 442	27 709	27 945	28 345	28 663	28 947	29 211	29 612
1989 ---	29 748	30 093	30 630	30 914	31 167	31 302	31 288	31 544	31 532	31 485	31 448	31 098
1990 ---	30 721	30 714	30 858	31 057	31 129	31 082	31 339	31 253	31 557	31 897	32 172	32 366
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	2	3	-1.5	-4	3	-7	-7	3	-1.1	-1.1
1983 ---	-1.7	-2	-6	4	1	-5	10	1.2	-2	10	8	-2
1984 ---	-9	1.2	1.5	1.0	1.4	2.6	7	1.2	1.5	-8	-1.2	-8
1985 ---	-2.8	5	5	-4	1.5	7	-2	2	6	-6	3	-1.3
1986 ---	-6	-5	-3	2	-8	3	-1	-1.2	-5	3	1	1.8
1987 ---	-4	-	-9	2	-1	-9	1.2	2	8	10	8	1.2
1988 ---	1.5	1.6	3	-8	7	10	9	1.4	1.1	10	9	1.4
1989 ---	5	1.2	1.8	9	8	4	-	8	-	-1	-1	-1.1
1990 ---	-1.2	-	5	6	2	-2	8	-3	10	11	9	6

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INDUSTRIAL CHEMICALS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	14 594	14 602	14 482	14 726	14 473	14 104	14 368	14 144	13 736	13 782	13 643	13 717
1983 ---	13 762	13 668	13 381	13 553	13 439	13 173	13 558	13 669	13 353	13 623	13 806	13 833
1984 ---	13 902	14 174	14 369	14 412	14 659	15 181	15 330	15 506	15 429	15 258	14 658	14 644
1985 ---	14 373	14 541	14 666	14 747	14 756	14 748	14 715	14 651	14 498	14 248	14 162	13 995
1986 ---	14 212	14 112	13 922	13 844	13 561	13 503	13 546	13 159	12 886	12 867	12 924	13 505
1987 ---	13 530	13 577	13 331	13 450	13 320	12 982	13 346	13 249	13 241	13 257	13 390	13 737
1988 ---	14 276	14 373	14 310	14 244	14 197	14 304	14 563	14 581	14 623	14 772	14 982	15 268
1989 ---	15 824	16 120	16 371	16 474	16 630	16 654	16 818	16 822	16 691	16 631	16 541	16 331
1990 ---	16 133	16 158	16 005	16 109	15 985	15 903	16 204	15 892	15 936	16 022	16 245	16 712
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 335	14 298	14 292	14 479	14 278	14 155	14 269	14 171	14 065	14 120	13 948	13 839
1983 ---	13 554	13 437	13 219	13 353	13 314	13 206	13 454	13 651	13 631	13 894	14 097	13 959
1984 ---	13 720	13 986	14 205	14 230	14 569	15 207	15 208	15 459	15 691	15 516	14 950	14 789
1985 ---	14 194	14 371	14 506	14 592	14 706	14 769	14 591	14 613	14 704	14 465	14 425	14 131
1986 ---	14 032	13 952	13 779	13 727	13 529	13 519	13 429	13 148	13 041	13 063	13 153	13 630
1987 ---	13 351	13 411	13 201	13 347	13 299	12 992	13 229	13 271	13 397	13 463	13 621	13 841
1988 ---	14 085	14 182	14 176	14 135	14 172	14 310	14 440	14 633	14 802	15 008	15 235	15 356
1989 ---	15 612	15 893	16 222	16 348	16 601	16 667	16 674	16 901	16 906	16 899	16 817	16 399
1990 ---	15 921	15 927	15 861	15 989	15 953	15 926	16 065	15 972	16 141	16 279	16 514	16 773
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.3	-	1.3	-1.4	-9	8	-7	-7	4	-1.2	-.8
1983 ---	-2.1	-.9	-1.6	1.0	-.3	-8	1.9	1.5	-1	1.9	1.5	-1.0
1984 ---	-1.7	1.9	1.6	2	2.4	4.4	-	1.7	1.5	-1.1	-3.6	-1.1
1985 ---	-4.0	1.2	.9	6	8	4	-1.2	2	6	-1.6	-3	-2.0
1986 ---	-7	-.6	-1.2	-.4	-1.4	-.1	-.7	-2.1	-.8	2	7	3.6
1987 ---	-2.0	.4	-1.6	1.1	-.4	-2.3	1.8	3	9	5	1.2	1.6
1988 ---	1.8	7	-	-.3	-.3	1.0	.9	1.3	1.2	1.4	1.5	.8
1989 ---	1.7	1.8	2.1	8	1.5	4	-	1.4	-	-	-.5	-2.5
1990 ---	-2.9	-	-.4	8	-2	-2	9	-6	1.1	9	1.4	1.6
<b>DRUGS, SOAPS, AND TOILETRIES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 043	7 172	7 194	7 269	7 292	7 175	7 076	6 975	6 755	6 843	6 922	6 724
1983 ---	6 711	6 815	6 802	6 932	7 050	6 995	6 952	6 993	6 909	7 074	7 114	6 929
1984 ---	7 040	7 193	7 257	7 475	7 565	7 539	7 553	7 594	7 555	7 582	7 725	7 574
1985 ---	7 572	7 624	7 689	7 872	8 049	8 005	8 032	7 969	7 749	7 937	7 996	7 826
1986 ---	7 851	7 913	8 020	8 335	8 349	8 383	8 500	8 398	8 141	8 327	8 405	8 250
1987 ---	8 427	8 566	8 574	8 658	8 789	8 867	8 764	8 740	8 514	8 729	8 919	8 860
1988 ---	8 977	9 311	9 506	9 495	9 680	9 812	9 921	9 987	9 763	9 955	10 079	9 898
1989 ---	9 806	9 858	9 968	10 222	10 344	10 386	10 439	10 420	10 125	10 320	10 374	10 136
1990 ---	10 208	10 253	10 301	10 572	10 750	10 715	10 849	10 820	10 601	10 862	10 942	10 641
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 136	7 195	7 190	7 133	7 089	7 025	7 023	6 978	6 923	6 937	6 918	6 866
1983 ---	6 809	6 839	6 807	6 808	6 858	6 868	6 891	6 979	7 080	7 149	7 097	7 078
1984 ---	7 152	7 224	7 274	7 359	7 369	7 411	7 473	7 559	7 736	7 641	7 702	7 736
1985 ---	7 699	7 663	7 719	7 769	7 859	7 873	7 931	7 913	7 927	7 983	7 968	7 991
1986 ---	7 987	7 961	8 062	8 248	8 169	8 244	8 376	8 322	8 320	8 365	8 376	8 419
1987 ---	8 574	8 626	8 628	8 581	8 618	8 721	8 621	8 649	8 693	8 759	8 886	9 044
1988 ---	9 132	9 383	9 576	9 422	9 503	9 654	9 751	9 874	9 955	9 978	10 038	10 107
1989 ---	9 976	9 939	10 051	10 149	10 164	10 224	10 256	10 296	10 312	10 335	10 325	10 355
1990 ---	10 387	10 341	10 393	10 501	10 568	10 552	10 657	10 689	10 790	10 872	10 887	10 871
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	8	-.1	-.8	-.6	-.9	-	-.6	-.8	2	-.3	-.8
1983 ---	-.8	4	-.5	-	7	1	3	13	1.4	10	-.7	-.3
1984 ---	10	10	7	1.2	1	6	8	12	2.3	-1.2	8	.4
1985 ---	-.5	-.5	.7	6	1.2	2	7	-.2	2	7	-.2	.3
1986 ---	-1	-.3	1.3	2.3	-1.0	9	16	-.6	-	5	1	.5
1987 ---	1.8	6	-	-.5	4	12	-1.1	3	5	8	1.4	1.8
1988 ---	10	2.7	2.1	-1.6	9	16	10	13	8	2	6	.7
1989 ---	-1.3	-.4	1.1	1.0	1	6	3	4	2	2	-.1	.3
1990 ---	.3	-.4	5	10	6	-2	10	3	9	8	1	-.1

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	17 864	17 539	17 604	16 814	16 052	16 002	16 508	16 872	16 909	16 878	17 907	16 732
1983 ---	17 224	17 108	15 758	15 355	15 312	15 369	15 549	15 347	15 886	15 831	15 592	14 599
1984 ---	14 698	15 133	14 673	15 441	15 613	15 255	15 369	15 345	15 355	15 459	15 284	14 036
1985 ---	13 919	13 620	13 445	13 724	14 037	13 672	13 546	12 957	12 556	12 985	13 721	13 746
1986 ---	12 778	12 118	10 816	10 585	10 480	10 137	9 686	9 468	9 050	9 114	9 141	8 644
1987 ---	8 879	9 054	9 003	9 051	9 217	9 307	9 507	10 017	9 878	10 047	10 339	9 797
1988 ---	9 626	9 580	9 668	9 855	10 185	10 008	9 906	9 613	9 480	9 435	9 302	9 021
1989 ---	9 572	9 725	9 869	10 493	10 758	11 019	10 844	10 713	10 520	10 724	10 809	10 408
1990 ---	11 469	11 434	11 419	11 194	11 228	10 879	11 038	11 669	13 296	13 583	13 420	12 822
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	17 835	17 428	18 126	17 075	16 059	16 165	16 513	16 924	16 819	16 614	17 123	17 013
1983 ---	17 206	17 038	16 203	15 595	15 288	15 493	15 543	15 398	15 833	15 608	14 931	14 847
1984 ---	14 699	15 095	15 054	15 681	15 555	15 337	15 347	15 401	15 318	15 255	14 669	14 269
1985 ---	13 924	13 624	13 767	13 916	13 960	13 713	13 517	12 549	12 549	12 824	13 240	13 994
1986 ---	12 790	12 154	11 042	10 693	10 398	10 147	9 652	9 493	9 055	8 990	8 879	8 810
1987 ---	8 902	9 097	9 173	9 113	9 127	9 289	9 475	10 036	9 889	9 900	10 112	10 018
1988 ---	9 662	9 617	9 821	9 889	10 062	9 966	9 873	9 641	9 511	9 307	9 177	9 245
1989 ---	9 610	9 750	9 990	10 487	10 603	10 955	10 815	10 761	10 554	10 566	10 697	10 688
1990 ---	11 517	11 462	11 529	11 157	11 062	10 813	11 008	11 736	13 328	13 370	13 304	13 175
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.3	4.0	-5.8	-6.0	7	2.2	2.5	-6	-1.2	3.1	-6
1983 ---	1.1	-1.0	-4.9	-3.8	-2.0	1.3	3	-9	2.8	-1.4	-4.3	-6
1984 ---	-1.0	2.7	-3	4.2	-8	-1.4	.1	4	-5	-4	-3.8	-2.7
1985 ---	-2.4	-2.2	1.0	1.1	3	-1.8	-1.4	-3.9	-3.4	2.2	3.2	5.7
1986 ---	-8.6	-5.0	-9.1	-3.2	-2.8	-2.4	-4.9	-1.6	-4.6	-7	-1.2	-8
1987 ---	1.0	2.2	.8	-7	.2	1.8	2.0	5.9	-1.5	1	2.1	-9
1988 ---	-3.6	-5	2.1	7	1.7	-1.0	-9	-2.3	-1.3	-2.1	-1.4	7
1989 ---	3.9	1.5	2.5	5.0	1.1	3.3	-1.3	-5	-1.9	1	1.2	-1
1990 ---	7.8	-5	6	-3.2	-9	-2.3	1.8	6.6	13.6	3	-5	-1.0
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	8 168	8 271	8 386	8 517	8 363	8 171	7 878	7 681	7 538	7 634	7 467	7 596
1983 ---	7 640	7 667	7 808	8 008	7 951	7 936	7 849	7 700	7 708	7 814	7 828	7 918
1984 ---	8 076	8 345	8 676	8 706	8 916	9 086	9 039	8 986	8 801	8 803	8 684	8 741
1985 ---	8 679	8 930	9 168	9 286	9 170	9 148	9 038	8 969	8 945	8 737	8 753	9 072
1986 ---	9 220	9 486	9 645	9 634	9 548	9 356	9 228	9 037	8 969	8 827	8 951	9 178
1987 ---	9 271	9 422	9 564	9 656	9 746	9 621	9 686	9 889	9 727	9 646	9 760	9 982
1988 ---	10 067	10 184	10 469	10 628	10 685	10 642	10 710	10 704	10 831	10 874	10 964	11 145
1989 ---	11 450	11 609	11 878	11 773	11 760	11 571	11 602	11 475	11 408	11 298	11 281	11 328
1990 ---	11 468	11 436	11 434	11 333	11 498	11 263	11 360	11 267	11 491	11 704	11 729	11 886
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 169	8 187	8 086	8 098	8 072	8 004	7 860	7 848	7 779	7 927	7 814	7 749
1983 ---	7 664	7 596	7 542	7 646	7 695	7 769	7 824	7 836	7 932	8 075	8 143	8 073
1984 ---	8 120	8 281	8 415	8 359	8 660	8 907	9 005	9 112	9 029	9 092	8 994	8 907
1985 ---	8 728	8 854	8 902	8 952	8 918	8 990	9 007	9 073	9 154	9 015	9 036	9 223
1986 ---	9 262	9 408	9 397	9 337	9 315	9 240	9 201	9 118	9 142	9 090	9 200	9 298
1987 ---	9 293	9 339	9 341	9 398	9 530	9 550	9 673	9 974	9 884	9 911	10 001	10 087
1988 ---	10 070	10 087	10 249	10 374	10 461	10 609	10 710	10 797	10 982	11 146	11 199	11 244
1989 ---	11 438	11 495	11 651	11 516	11 527	11 561	11 611	11 576	11 555	11 556	11 499	11 430
1990 ---	11 452	11 329	11 223	11 092	11 280	11 265	11 373	11 363	11 629	11 952	11 940	11 995
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2	-1.2	1	-3	-8	-1.8	-2	-9	1.9	-1.4	-8
1983 ---	-1.1	-9	-7	1.4	6	1.0	.7	2	1.2	1.8	.8	-9
1984 ---	6	2.0	1.6	-7	3.6	2.9	1.1	1.2	-9	7	-1.1	-1.0
1985 ---	-2.0	1.4	.5	6	-4	8	.2	7	9	-1.5	2	2.1
1986 ---	.4	1.6	-1	-6	-2	-8	-4	-9	3	-6	1.2	1.1
1987 ---	-1	5	-	6	1.4	2	1.3	3.1	-9	3	.9	9
1988 ---	-2	2	1.6	1.2	8	1.4	10	8	17	1.5	5	4
1989 ---	1.7	5	1.4	-1.2	1	3	4	-3	-2	-	-5	-6
1990 ---	.2	-1.1	-9	-1.2	1.7	-1	10	-1	2.3	2.8	-1	5

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL OTHER NONDURABLE GOODS INDUSTRIES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	16 805	17 044	17 002	17 375	17 704	17 930	17 705	17 270	16 637	16 228	15 642	15 743
1983 ---	15 992	16 090	16 151	16 490	16 837	17 440	17 517	17 396	17 060	16 905	16 648	16 999
1984 ---	17 642	17 982	18 440	18 939	19 678	20 315	20 358	20 151	19 823	19 372	18 890	18 844
1985 ---	18 869	19 426	19 380	19 898	20 097	20 427	20 261	20 057	19 612	19 060	18 565	18 856
1986 ---	19 217	19 536	19 718	20 264	20 468	20 659	20 672	20 549	20 033	19 759	19 398	19 188
1987 ---	19 878	20 064	20 256	20 618	21 090	21 243	21 261	21 032	20 785	20 389	20 185	20 487
1988 ---	20 822	21 259	21 824	22 702	23 449	23 661	23 731	23 869	23 489	22 717	22 319	22 127
1989 ---	22 425	22 469	22 655	23 038	23 664	23 830	23 976	23 709	23 473	22 928	22 799	22 407
1990 ---	22 936	23 137	23 389	23 512	24 021	24 238	24 551	24 277	23 640	22 884	22 342	22 071
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	17 261	17 321	17 028	17 060	17 036	16 993	16 912	16 841	16 718	16 729	16 537	16 571
1983 ---	16 395	16 336	16 202	16 216	16 252	16 570	16 769	16 972	17 115	17 378	17 539	17 855
1984 ---	18 079	18 255	18 532	18 647	19 037	19 351	19 513	19 651	19 832	19 865	19 840	19 763
1985 ---	19 336	19 738	19 491	19 609	19 483	19 520	19 459	19 542	19 568	19 503	19 430	19 746
1986 ---	19 693	19 867	19 856	19 984	19 838	19 798	19 887	20 012	19 940	20 188	20 228	20 085
1987 ---	20 393	20 443	20 419	20 355	20 456	20 432	20 485	20 462	20 644	20 800	20 982	21 432
1988 ---	21 364	21 688	22 011	22 432	22 737	22 808	22 880	23 208	23 301	23 144	23 152	23 142
1989 ---	23 032	22 953	22 855	22 796	22 970	22 983	23 127	23 028	23 275	23 353	23 633	23 413
1990 ---	23 547	23 648	23 605	23 277	23 307	23 373	23 692	23 566	23 428	23 289	23 115	23 072
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.3	-1.7	.2	-.1	-.3	-.5	-.4	-.7	.1	-1.1	.2
1983 ---	-1.1	-.4	-.8	.1	-.2	2.0	1.2	1.2	.8	1.5	-.9	1.8
1984 ---	1.3	1.0	1.5	.6	2.1	1.6	.8	.7	.9	.2	-.1	-.4
1985 ---	-2.2	2.1	-1.3	.6	-.6	-.2	-.3	-.4	.1	-.3	-.4	1.6
1986 ---	-.3	.9	-.1	.6	-.7	-.2	.4	.6	-.4	1.2	-.2	-.7
1987 ---	1.5	.2	-.1	-.3	.5	-.1	-.3	-.1	.9	.8	.9	2.1
1988 ---	-.3	1.5	1.5	1.9	1.4	-.3	-.3	1.4	.4	-.7	-.1	-.1
1989 ---	-.5	-.3	-.4	-.3	.8	.1	.6	-.4	1.1	-.3	1.2	-.9
1990 ---	.6	.4	-.2	-1.4	.1	-.3	1.4	-.5	-.6	-.6	-.7	-.2
<b>AUTOMOTIVE EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	5 318	5 339	5 245	5 091	5 036	4 905	4 761	4 908	4 834	4 873	4 844	4 895
1983 ---	4 935	4 964	4 797	4 760	4 839	4 729	4 723	5 038	5 053	5 176	5 357	5 534
1984 ---	5 624	5 797	5 783	5 633	5 699	5 601	5 610	5 926	6 014	6 185	6 157	6 241
1985 ---	6 263	6 410	6 303	6 218	6 084	5 945	5 869	6 227	6 207	6 202	6 260	6 263
1986 ---	6 253	6 404	6 307	6 200	6 228	5 910	5 783	5 957	5 980	5 890	6 111	5 944
1987 ---	6 015	6 229	6 223	6 101	6 102	5 911	5 859	6 034	6 165	6 149	6 383	6 296
1988 ---	6 460	6 522	6 413	6 252	6 231	6 138	6 091	6 201	6 278	6 304	6 469	6 362
1989 ---	6 616	6 784	6 652	6 655	6 607	6 504	6 741	6 737	6 574	6 541	6 583	6 305
1990 ---	6 660	6 743	6 521	6 534	6 568	6 308	6 496	6 534	6 462	6 462	6 676	6 616
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 163	5 130	5 100	5 051	5 051	5 070	5 045	4 958	4 860	4 895	4 823	4 864
1983 ---	4 799	4 771	4 676	4 727	4 859	4 893	4 991	5 081	5 074	5 174	5 324	5 494
1984 ---	5 493	5 578	5 657	5 609	5 726	5 812	5 912	5 968	6 044	6 189	6 110	6 191
1985 ---	6 132	6 172	6 162	6 177	6 096	6 158	6 165	6 274	6 242	6 221	6 209	6 221
1986 ---	6 130	6 167	6 170	6 177	6 241	6 106	6 058	6 006	6 011	5 922	6 051	5 925
1987 ---	5 898	6 004	6 099	6 091	6 107	6 090	6 111	6 078	6 199	6 194	6 296	6 311
1988 ---	6 332	6 284	6 292	6 246	6 229	6 305	6 326	6 232	6 318	6 367	6 403	6 406
1989 ---	6 482	6 539	6 535	6 655	6 600	6 659	6 975	6 762	6 626	6 606	6 513	6 373
1990 ---	6 526	6 499	6 407	6 533	6 562	6 450	6 710	6 552	6 513	6 526	6 604	6 698
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.6	-.6	-1.0	-.1	.4	-.5	-1.7	-2.0	.7	-1.5	.9
1983 ---	-1.3	-.6	-2.0	1.1	2.8	.7	2.0	1.8	-.1	2.0	2.9	3.2
1984 ---	-.1	1.5	1.4	-.8	2.1	1.5	1.7	.9	1.3	2.4	-1.3	1.3
1985 ---	-1.0	.7	-.2	-.2	-1.3	1.0	-.1	1.8	-.3	-.3	-.2	-.2
1986 ---	-1.5	.6	-.1	-.1	1.0	-2.2	-.8	-.9	-.5	-.1	2.2	-2.1
1987 ---	-.5	1.8	1.6	-.1	1.3	-.3	-.3	-.5	-.1	-.1	1.6	-.2
1988 ---	.3	-.8	-.1	-.7	-.3	1.2	.3	-1.5	2.0	.8	.6	-.1
1989 ---	1.2	.9	-.1	1.8	-.8	.9	4.7	-3.1	-2.0	-.3	-1.4	-2.1
1990 ---	2.4	-.4	-1.4	2.0	.4	-1.7	4.0	-2.4	-6	2	1.2	1.4

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOME GOODS AND APPAREL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	22 641	22 826	22 574	22 927	23 407	23 431	23 146	22 590	21 933	21 337	20 722	20 863
1983	21 151	21 221	21 223	21 684	22 251	22 693	22 272	22 037	21 741	21 514	21 182	21 784
1984	22 551	22 910	23 442	24 172	25 056	25 351	25 199	24 878	24 548	24 272	23 729	24 027
1985	24 694	24 754	24 655	25 165	25 445	25 643	25 307	24 804	24 022	23 470	22 989	23 326
1986	23 774	23 810	24 056	24 675	24 989	25 087	24 626	24 134	23 342	22 938	22 578	22 793
1987	23 705	24 005	24 191	24 697	25 312	25 289	25 233	24 702	24 327	24 158	23 772	24 485
1988	25 191	25 556	25 833	26 427	27 288	27 234	27 185	26 879	26 087	25 633	25 438	25 719
1989	26 332	26 349	26 443	27 209	27 910	27 673	27 994	27 938	27 491	27 233	27 013	27 067
1990	28 134	28 316	28 360	28 650	29 215	28 866	28 382	27 962	27 312	26 424	25 664	25 620
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	22 950	22 917	22 487	22 435	22 388	22 376	22 470	22 347	22 242	22 076	21 878	21 737
1983	21 412	21 308	21 177	21 239	21 321	21 690	21 613	21 804	22 024	22 207	22 328	22 681
1984	22 827	23 035	23 433	23 681	24 020	24 234	24 422	24 613	24 867	25 028	25 005	24 997
1985	24 999	24 911	24 667	24 650	24 424	24 562	24 526	24 534	24 333	24 180	24 194	24 242
1986	24 051	23 974	24 089	24 165	23 978	24 059	23 872	23 868	23 662	23 642	23 746	23 658
1987	23 949	24 160	24 211	24 182	24 312	24 336	24 475	24 413	24 643	24 878	24 955	25 407
1988	25 442	25 718	25 858	25 879	26 209	26 253	26 390	26 580	26 407	26 381	26 668	26 675
1989	26 576	26 511	26 468	26 659	26 825	26 740	27 196	27 616	27 810	28 008	28 287	28 080
1990	28 398	28 512	28 411	28 091	28 090	27 910	27 569	27 618	27 592	27 158	26 841	26 567
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-1	-1.9	-2	-2	-1	.4	-5	-5	-7	-9	-6
1983	-1.5	-5	-6	-3	-4	1.7	-4	.9	1.0	.8	.5	1.6
1984	.6	.9	1.7	1.1	1.4	.9	.8	.8	1.0	.6	-1	-
1985	.6	-4	-1.0	-1	-9	-6	-1	-	-8	-6	-1	2
1986	-8	-3	.5	-3	-8	.3	-1	-	-9	-1	.4	-4
1987	1.2	.9	.2	-1	.5	.1	.6	-3	.9	1.0	.3	1.8
1988	1.1	1.1	.5	.1	1.3	.2	.5	.7	.7	.7	1.1	-
1989	-4	-2	-2	.7	.6	.3	1.7	1.5	-7	-1	1.0	-7
1990	1.1	4	-4	-1.1	-	-6	-1.2	.2	-1	-1.6	-1.2	-1.0
<b>CONSUMER STAPLES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	49 682	49 443	49 097	48 689	47 432	46 524	47 194	47 950	48 320	49 217	49 898	48 455
1983	48 807	48 339	46 999	46 565	46 115	45 692	46 176	46 860	47 845	48 864	48 869	47 620
1984	48 200	48 362	47 787	48 150	48 249	47 382	47 679	48 730	49 444	50 174	50 264	48 805
1985	48 922	48 728	47 828	47 980	47 730	46 634	46 676	47 264	47 129	48 671	48 739	48 306
1986	47 855	47 222	45 763	46 001	45 255	44 464	44 981	45 511	44 898	45 974	46 034	45 159
1987	45 974	45 912	45 337	45 382	45 510	45 400	45 400	46 620	46 774	47 809	48 063	47 326
1988	47 599	47 827	47 540	47 771	47 670	47 599	48 081	49 189	49 209	50 331	50 353	49 956
1989	49 921	49 875	49 388	50 314	49 861	49 865	50 478	51 405	51 276	52 203	52 179	51 093
1990	52 347	52 264	51 624	51 624	51 399	50 909	51 931	53 492	54 857	56 050	55 709	54 368
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	48 829	48 812	49 237	48 859	47 953	47 814	48 592	48 599	48 293	48 245	48 447	48 187
1983	48 012	47 731	47 162	46 751	46 612	47 004	47 483	47 411	47 897	47 884	47 461	47 340
1984	47 427	47 783	48 044	48 438	48 802	48 745	48 863	49 068	49 376	49 093	48 890	48 559
1985	48 220	48 220	48 154	48 321	48 285	47 913	47 710	47 432	47 050	47 612	47 505	48 128
1986	47 249	46 806	46 153	46 358	45 812	45 666	45 860	45 496	44 786	44 926	44 971	44 980
1987	45 452	45 575	45 772	45 729	46 116	46 611	46 286	46 530	46 660	46 707	46 990	47 200
1988	47 084	47 518	48 031	48 137	48 306	48 793	48 818	49 046	49 079	49 192	49 277	49 874
1989	49 424	49 588	49 885	50 700	50 536	51 057	51 170	51 178	51 044	50 989	51 082	51 075
1990	51 854	51 993	52 175	52 022	52 126	52 124	52 593	53 288	54 640	54 772	54 573	54 407
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-	.9	-.8	-1.9	-.3	1.6	-	-6	-.1	.4	-.5
1983	-4	-6	-1.2	-.9	-.3	.8	1.0	-2	1.0	-	-.9	-
1984	.2	.8	.5	.8	.8	-.1	.2	.4	.6	-.6	-.4	-.7
1985	-.7	-.8	-.1	.3	-.8	-.1	-.4	-.6	-.8	1.2	-.2	1.3
1986	-1.8	-.9	-1.4	.4	-1.2	-.3	.4	-.8	-1.6	.3	.1	-.4
1987	1.0	.3	.4	-.1	.8	1.1	-.7	.5	.3	.1	.6	-.4
1988	-.2	.9	1.1	.2	.4	1.0	.1	.5	.1	.2	.2	1.2
1989	-.9	.3	.6	1.6	-.3	1.0	.2	-.1	-.3	-.1	.2	-.1
1990	1.5	.3	.4	-.3	.2	-.1	.9	1.3	2.5	.2	-.4	-.3

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MACHINERY AND EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	76 792	78 136	78 334	79 342	79 354	78 728	78 521	78 530	77 614	77 767	76 729	74 815
1983 ---	73 940	74 424	72 887	73 016	73 197	71 742	71 142	71 344	71 468	72 081	71 902	70 409
1984 ---	71 299	72 689	73 537	74 829	75 721	75 449	76 173	78 002	77 569	78 864	78 895	77 269
1985 ---	78 930	79 735	79 074	79 533	79 504	78 396	78 082	77 953	77 260	76 546	76 114	73 794
1986 ---	74 300	74 988	74 355	73 921	73 936	72 649	72 429	72 563	72 189	72 334	72 051	69 166
1987 ---	70 373	71 005	70 452	71 089	71 355	70 476	70 460	71 175	70 453	71 264	71 752	70 573
1988 ---	72 414	73 979	74 261	75 394	76 204	75 715	76 544	78 249	77 688	78 575	79 740	78 803
1989 ---	81 212	83 626	83 344	84 598	85 623	85 508	86 187	86 592	85 869	86 629	87 350	85 251
1990 ---	87 546	88 046	87 068	88 172	88 764	86 356	87 521	87 515	86 816	87 572	87 958	84 887
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	77 152	77 431	77 553	78 279	78 273	78 603	78 687	78 545	78 139	78 091	76 986	76 503
1983 ---	74 362	73 850	72 341	72 168	72 288	71 723	71 310	71 224	71 762	72 152	72 052	72 041
1984 ---	71 790	72 179	73 140	74 069	74 815	75 493	76 353	77 770	77 762	78 784	78 939	79 028
1985 ---	79 517	79 243	78 768	78 802	78 620	78 494	78 251	77 664	77 431	76 404	76 073	75 517
1986 ---	74 850	74 519	74 181	73 292	73 136	72 724	72 513	72 251	72 378	72 176	71 984	70 875
1987 ---	70 887	70 543	70 319	70 471	70 557	70 533	70 455	70 853	70 740	71 132	71 690	72 373
1988 ---	72 913	73 418	74 145	74 732	75 315	75 762	76 462	77 881	78 118	78 453	79 684	80 816
1989 ---	81 760	82 960	83 252	83 840	84 585	85 573	86 018	86 160	86 492	86 477	87 285	87 474
1990 ---	88 127	87 291	87 001	87 392	87 687	86 425	87 290	87 044	87 498	87 421	87 914	87 135
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	4	2	9	-	4	1	-2	-5	-1	-14	-6
1983 ---	-2.8	-7	-2.0	-2	2	-8	-6	-1	8	5	-2	-
1984 ---	-3	5	13	13	10	9	11	1.9	-	1.3	-	-
1985 ---	6	-3	-6	-	-2	-2	-3	-8	-3	-1.3	-4	-7
1986 ---	-9	-4	-5	-1.2	-2	-6	-3	-4	-	-3	-3	-1.5
1987 ---	7	-5	-3	2	1	-	-1	6	-2	6	8	1.0
1988 ---	1.2	1.5	1.0	8	8	6	9	1.9	3	4	16	1.4
1989 ---	1.2	1.5	4	7	9	1.2	5	-2	4	-	9	2
1990 ---	7	-9	-3	4	3	-1.4	1.0	-3	5	-1	6	-9
<b>BUSINESS SUPPLIES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	18 702	18 964	19 130	19 026	18 648	18 602	18 701	18 630	18 340	18 277	18 164	17 633
1983 ---	17 847	18 000	17 675	17 699	17 596	17 580	17 797	17 889	17 813	17 870	17 904	17 658
1984 ---	18 033	18 396	18 662	19 042	19 108	19 371	19 613	19 768	19 771	19 662	19 504	19 035
1985 ---	18 841	19 415	19 328	19 375	19 277	19 200	19 231	19 223	18 974	19 020	19 009	18 775
1986 ---	18 558	18 724	18 470	18 566	18 483	18 491	18 806	18 872	18 411	18 486	18 379	18 061
1987 ---	18 397	18 633	18 840	18 884	18 997	18 938	19 198	19 432	19 307	19 266	19 344	18 964
1988 ---	19 217	19 701	19 833	20 088	20 324	20 465	20 742	21 091	21 082	20 916	20 840	20 603
1989 ---	21 112	21 591	21 786	21 915	22 105	22 351	22 491	22 419	22 270	21 999	21 911	21 151
1990 ---	21 615	21 956	22 124	22 099	22 181	22 044	22 449	22 538	22 542	22 616	22 563	21 831
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	18 785	18 797	19 012	18 762	18 479	18 526	18 555	18 528	18 426	18 432	18 311	18 070
1983 ---	17 950	17 882	17 587	17 486	17 500	17 530	17 641	17 757	17 851	17 964	18 031	18 103
1984 ---	18 186	18 336	18 603	18 860	19 032	19 317	19 398	19 555	19 761	19 722	19 608	19 521
1985 ---	19 041	19 410	19 288	19 221	19 198	19 144	19 006	18 975	18 924	19 045	19 083	19 256
1986 ---	18 781	18 743	18 441	18 468	18 423	18 438	18 564	18 574	18 310	18 492	18 473	18 574
1987 ---	18 687	18 698	18 839	18 782	18 914	18 850	18 924	19 090	19 174	19 256	19 431	19 551
1988 ---	19 542	19 776	19 837	19 999	20 212	20 333	20 413	20 685	20 921	20 915	20 946	21 279
1989 ---	21 494	21 673	21 757	21 823	21 987	22 220	22 170	22 039	22 133	22 002	22 014	21 841
1990 ---	21 983	22 014	22 080	22 004	22 058	21 899	22 120	22 144	22 396	22 603	22 661	22 556
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1	11	-13	-15	3	2	-1	-6	-	-7	-1.3
1983 ---	-7	-4	-16	-6	1	2	6	7	5	6	4	4
1984 ---	5	8	15	14	9	15	4	8	11	-2	-6	-4
1985 ---	-2.5	19	-6	-3	-1	-3	-7	-2	-3	6	2	9
1986 ---	-2.5	-2	-16	1	-2	1	7	1	-14	10	-1	5
1987 ---	6	1	8	-3	7	-3	4	9	4	4	9	6
1988 ---	-	12	3	8	11	6	4	13	11	1	1	16
1989 ---	10	8	4	3	8	11	-2	-6	4	-6	1	-8
1990 ---	7	1	3	-3	2	-7	10	1	11	-9	3	-5

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CONSTRUCTION MATERIALS AND SUPPLIES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	20 185	20 291	20 169	19 920	19 753	19 506	19 110	18 994	18 737	18 563	18 284	18 190
1983 ---	18 131	18 558	18 633	18 732	18 710	18 836	18 844	18 917	18 940	18 904	18 889	18 915
1984 ---	19 130	19 652	19 938	20 198	20 354	20 441	20 366	20 369	20 313	20 360	20 316	20 144
1985 ---	20 266	20 613	20 825	20 709	20 704	20 871	20 460	20 324	20 187	19 855	20 019	20 189
1986 ---	20 079	20 642	20 657	20 743	20 622	20 415	20 144	20 103	19 812	19 682	19 787	20 005
1987 ---	20 299	20 406	20 677	20 806	20 901	20 809	20 522	20 514	20 394	20 300	20 514	20 812
1988 ---	21 497	22 017	22 073	22 312	22 467	22 350	22 448	22 320	22 313	22 418	22 495	22 519
1989 ---	22 966	23 080	23 209	23 365	23 780	23 600	23 824	23 571	23 266	23 277	23 232	23 085
1990 ---	23 608	23 737	23 744	23 840	23 777	23 592	23 547	23 620	23 664	23 805	23 650	23 527
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	20 321	19 998	19 736	19 521	19 404	19 246	19 076	19 064	18 985	18 917	18 734	18 580
1983 ---	18 262	18 311	18 255	18 373	18 399	18 588	18 617	18 980	19 176	19 235	19 309	19 311
1984 ---	19 271	19 425	19 575	19 826	20 023	20 156	20 336	20 429	20 557	20 696	20 725	20 554
1985 ---	20 405	20 403	20 481	20 324	20 355	20 581	20 440	20 404	20 446	20 186	20 414	20 579
1986 ---	20 179	20 444	20 342	20 369	20 270	20 145	20 124	20 194	20 070	20 015	20 163	20 372
1987 ---	20 339	20 196	20 378	20 448	20 542	20 576	20 507	20 621	20 670	20 632	20 886	21 184
1988 ---	21 493	21 793	21 790	21 950	22 083	22 138	22 427	22 427	22 618	22 750	22 887	22 928
1989 ---	22 935	22 851	22 943	22 993	23 370	23 412	23 789	23 679	23 596	23 577	23 612	23 508
1990 ---	23 562	23 500	23 488	23 475	23 384	23 423	23 501	23 721	24 005	24 107	24 035	23 957
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.6	-1.3	-1.1	-6	-8	-9	-1	-4	-4	-1.0	-8
1983 ---	-1.7	3	-3	6	1	1.0	1.2	9	1.0	3	.4	-
1984 ---	-2	8	8	13	10	.7	9	5	6	7	1	-8
1985 ---	-7	-	4	-8	2	1.1	-7	-2	-1.3	1.1	8	8
1986 ---	-1.9	1.3	-5	1	-5	-6	-1	3	-6	-3	7	1.0
1987 ---	-2	-7	9	3	5	2	-3	6	2	-2	1.2	1.4
1988 ---	1.5	1.4	-	.7	6	2	1.3	-	9	6	6	2
1989 ---	-	-4	4	2	1.6	2	1.6	-5	-4	-1	1	-4
1990 ---	2	-3	-1	-1	-4	2	3	9	1.2	4	-3	-3
<b>DEFENSE PRODUCTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	14 669	15 050	15 410	15 565	15 712	15 909	15 874	15 947	16 035	16 282	16 610	16 945
1983 ---	17 518	17 689	18 181	18 142	18 654	18 786	18 828	19 077	18 477	18 295	18 480	18 971
1984 ---	18 856	19 621	20 430	20 618	21 362	21 959	22 711	23 113	23 756	24 218	24 260	24 350
1985 ---	24 812	25 653	26 070	26 391	26 718	27 341	27 915	28 116	28 363	28 425	28 376	28 155
1986 ---	28 480	28 438	29 477	29 680	30 104	30 241	30 185	29 936	30 076	30 001	29 611	28 689
1987 ---	29 084	29 619	29 874	30 260	30 553	30 536	31 123	31 342	31 452	31 900	32 143	31 209
1988 ---	31 467	32 036	32 408	32 390	33 175	33 538	33 475	32 195	32 883	33 322	32 823	33 446
1989 ---	34 291	34 746	35 748	35 846	36 501	36 526	37 291	37 497	37 075	37 732	37 627	36 337
1990 ---	37 021	37 819	38 148	38 397	38 847	38 266	38 383	38 633	37 889	38 031	38 114	35 082
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 801	14 989	15 164	15 442	15 479	15 686	15 703	15 953	16 160	16 497	16 869	17 269
1983 ---	17 737	17 654	17 897	18 021	18 388	18 523	18 605	19 041	18 540	18 450	18 762	19 390
1984 ---	19 160	19 638	20 178	20 512	21 072	21 672	22 417	23 007	23 734	24 297	24 568	24 938
1985 ---	25 268	25 748	25 840	26 293	26 386	27 042	27 540	27 940	28 267	28 382	28 653	28 882
1986 ---	29 028	28 599	29 310	29 576	29 747	29 976	29 758	29 704	29 962	29 873	29 815	29 466
1987 ---	29 655	29 805	29 743	30 152	30 192	30 327	30 684	31 079	31 353	31 697	32 291	32 111
1988 ---	32 090	32 244	32 281	32 271	32 777	33 356	33 005	31 892	32 822	33 053	32 924	34 440
1989 ---	34 980	34 977	35 599	35 717	36 045	36 365	36 784	37 113	37 077	37 403	37 731	37 419
1990 ---	37 765	38 086	37 961	38 266	38 353	38 117	37 861	38 240	37 916	37 685	38 229	36 127
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.3	1.2	1.8	2	1.3	1	1.6	1.3	2.1	2.3	2.4
1983 ---	2.7	-5	1.4	7	2.0	7	4	2.3	-2.6	-5	1.7	3.3
1984 ---	-1.2	2.5	2.7	1.7	2.7	2.8	3.4	2.6	3.2	2.4	1.1	1.5
1985 ---	1.3	1.9	4	1.8	4	2.5	1.8	1.5	1.2	4	1.0	8
1986 ---	5	-1.5	2.5	9	6	8	-7	-2	9	-3	-2	-1.2
1987 ---	6	5	-2	1.4	1	4	1.2	1.3	9	1.1	1.9	-6
1988 ---	-1	5	1	-	1.6	1.8	-1.1	-3.4	2.9	7	-4	4.6
1989 ---	1.6	-	1.8	3	9	9	1.2	9	-1	9	9	-8
1990 ---	9	8	-3	8	2	-6	-7	1.0	-8	-6	1.4	-5.5

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>OTHER MATERIALS, SUPPLIES, AND INTERMEDIATE PRODUCTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	114 930	115 282	114 578	114 426	113 067	111 541	110 767	109 719	108 137	107 922	106 880	105 416
1983 ---	105 449	105 790	104 725	105 844	105 842	104 975	105 079	105 548	104 888	105 839	106 940	106 784
1984 ---	107 426	109 565	111 077	112 460	114 110	114 963	115 279	116 043	115 520	115 598	115 116	114 365
1985 ---	114 223	114 811	115 530	115 519	114 865	114 617	113 470	112 920	112 050	111 810	111 304	110 747
1986 ---	111 232	111 613	111 679	111 768	111 183	110 482	109 923	108 728	107 784	107 306	107 390	107 750
1987 ---	108 644	109 158	109 168	109 715	109 991	109 143	109 729	110 583	110 733	111 227	112 376	112 954
1988 ---	115 146	116 568	116 883	117 888	118 855	118 433	119 377	120 545	120 885	121 644	123 237	124 069
1989 ---	127 356	128 171	128 919	129 570	129 762	128 410	129 946	130 205	128 578	128 572	128 647	126 912
1990 ---	128 913	129 283	128 148	128 806	128 903	127 653	129 405	129 343	129 451	130 205	130 882	130 204
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	114 912	114 442	113 556	112 917	111 647	110 976	110 493	110 046	109 628	109 173	107 944	106 619
1983 ---	105 500	105 094	103 801	104 516	104 622	104 427	104 849	105 798	106 195	106 849	107 856	107 990
1984 ---	107 485	108 943	110 207	111 217	112 982	114 415	115 067	116 123	116 602	116 590	116 058	115 696
1985 ---	114 353	114 264	114 706	114 369	113 787	114 098	113 298	112 969	112 988	112 734	112 157	111 978
1986 ---	111 218	111 060	110 923	110 768	110 231	110 138	109 823	108 745	108 585	108 199	108 194	108 880
1987 ---	108 485	108 550	108 436	108 787	109 110	109 020	109 683	110 629	111 580	112 146	113 117	114 075
1988 ---	114 781	115 814	116 150	117 941	117 943	118 533	119 413	120 627	121 804	122 615	123 913	125 178
1989 ---	126 809	127 257	128 122	128 572	128 808	128 693	130 008	130 261	129 557	129 582	129 327	128 055
1990 ---	128 332	128 378	127 424	127 869	127 975	128 025	129 460	129 379	130 432	131 188	131 513	131 364
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.4	-.8	-.6	-1.1	-.6	-.4	-.4	-.4	-.4	-1.1	-1.2
1983 ---	-1.0	-.4	-1.2	.7	.1	-.2	.4	.9	.4	.6	.9	.1
1984 ---	-.5	1.4	.2	.9	1.6	1.3	.6	.9	.4	-.5	-.3	-.3
1985 ---	-1.2	-.1	.4	-.3	-.5	.3	-.7	-.3	-.2	-.5	-.2	-.2
1986 ---	-.7	-.1	-.1	-.5	-.1	-.3	-.1	-.1	-.1	-.4	-.6	.6
1987 ---	-.4	.1	-.1	.3	.3	-.1	.6	.9	.9	.5	.9	.8
1988 ---	.6	.9	.3	.7	.9	.5	.7	1.0	1.0	.7	1.1	1.0
1989 ---	1.3	.4	.7	.4	.2	-.1	1.0	.2	-.5	-.6	-.2	-1.0
1990 ---	.2	-.7	.3	.3	.1	-.1	1.1	-.1	.8	.6	.2	-.1
<b>NONDEFENSE CAPITAL GOODS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	73 746	74 976	75 130	76 266	76 280	75 590	75 533	75 457	74 469	74 792	74 109	72 297
1983 ---	71 561	71 919	70 377	70 339	70 426	68 961	68 388	68 075	68 003	68 710	68 252	66 963
1984 ---	67 657	68 749	69 603	70 874	71 811	71 671	72 631	74 077	73 668	75 262	75 274	73 810
1985 ---	75 349	76 021	75 285	76 225	75 241	74 946	74 583	74 546	73 786	73 105	72 499	70 045
1986 ---	70 520	71 002	70 731	70 530	70 621	69 572	69 421	69 486	69 104	69 224	68 817	65 940
1987 ---	67 075	67 486	66 858	67 698	67 922	67 294	67 350	67 934	66 927	67 844	68 294	66 977
1988 ---	68 552	70 061	70 439	71 740	72 505	72 125	73 017	74 429	73 809	74 646	75 634	74 682
1989 ---	76 974	79 114	78 681	80 029	80 963	81 114	82 295	82 881	82 130	82 977	83 686	82 014
1990 ---	83 829	84 409	83 285	84 516	85 131	83 120	84 421	84 091	83 314	84 112	84 286	81 182
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	74 082	74 472	74 644	75 422	75 366	75 506	75 533	75 543	75 015	74 888	74 138	73 724
1983 ---	71 989	71 524	70 069	69 653	69 616	68 917	68 347	67 988	68 337	68 621	68 212	68 388
1984 ---	68 182	68 466	69 457	70 278	70 990	71 628	72 543	73 839	73 907	75 049	75 173	75 403
1985 ---	76 011	75 779	75 237	75 289	75 395	75 183	74 808	74 208	73 996	72 866	72 371	71 665
1986 ---	71 160	70 782	70 805	70 017	69 881	69 480	69 227	69 095	69 299	68 963	68 685	67 576
1987 ---	67 697	67 264	66 972	67 186	67 201	67 179	67 073	67 516	67 186	67 596	68 186	68 701
1988 ---	69 177	69 753	70 593	71 198	71 725	71 996	72 663	73 938	74 176	74 369	75 521	76 581
1989 ---	77 666	78 706	78 882	79 418	80 084	81 007	81 846	82 327	82 671	82 653	83 590	84 141
1990 ---	84 536	83 907	83 523	83 881	84 200	83 018	83 906	83 486	83 885	83 770	84 212	83 334
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.5	.2	1.0	-.1	.2	-.8	-.7	-.7	-.2	-1.0	-.6
1983 ---	-2.4	-.6	-2.0	-.6	-.1	-1.0	-.5	-.5	.5	.4	-.6	.3
1984 ---	-.3	.4	1.4	1.2	1.0	.9	1.3	1.8	.1	1.5	.2	.3
1985 ---	.8	-.3	-.7	.1	.1	-.3	-.5	-.8	-.3	-1.5	-.7	-1.0
1986 ---	-.7	-.5	-.1	-1.1	-.2	-.6	-.4	-.2	-.3	-.5	-.4	-1.6
1987 ---	.2	-.6	-.4	.3	-.2	-.2	-.2	-.2	-.5	.6	.9	.8
1988 ---	.7	.8	1.2	.9	.7	.4	.9	1.8	.3	.3	1.5	1.4
1989 ---	1.4	1.3	.2	.7	.8	1.2	1.0	.6	.4	-.1	1.1	-.7
1990 ---	.5	-.7	-.5	.4	.4	-1.4	1.1	-.5	.5	-.1	.5	-1.0

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDEFENSE CAPITAL GOODS, EXCLUDING AIRCRAFT—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	58 758	59 595	59 673	60 346	60 464	59 661	59 266	58 776	57 632	57 696	56 981	55 269
1983 ---	55 301	55 569	54 938	54 979	55 293	54 548	53 915	53 685	53 167	53 503	53 517	52 729
1984 ---	53 225	54 159	54 802	55 858	56 749	56 838	57 479	58 480	58 115	59 379	59 451	58 446
1985 ---	59 734	60 470	59 742	60 289	60 455	59 701	59 443	58 997	58 079	57 657	56 768	55 233
1986 ---	55 504	55 427	55 007	54 726	54 782	53 620	53 339	53 041	52 264	52 089	51 798	49 742
1987 ---	50 311	51 011	50 738	51 608	51 723	51 155	51 158	51 309	50 324	50 952	51 303	50 540
1988 ---	51 640	52 749	52 936	53 751	54 444	54 152	54 695	55 462	55 392	56 075	56 472	55 306
1989 ---	56 942	58 091	57 656	58 369	58 771	58 480	59 016	59 259	58 378	58 852	59 093	56 718
1990 ---	58 112	58 876	57 725	58 515	58 827	57 276	57 907	58 123	57 222	57 246	57 096	54 565
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	59 066	59 185	59 176	59 480	59 414	59 214	59 154	58 890	58 267	58 161	57 411	56 443
1983 ---	55 662	55 234	54 585	54 271	54 384	54 210	53 773	53 655	53 636	53 759	53 806	53 893
1984 ---	53 638	53 903	54 579	55 231	55 879	56 528	57 275	58 319	58 530	59 525	59 689	59 734
1985 ---	60 250	60 263	59 611	59 666	59 602	59 419	59 194	58 759	58 455	57 742	56 922	56 490
1986 ---	55 985	55 257	54 992	54 192	54 062	53 389	53 093	52 779	52 584	52 134	51 882	50 946
1987 ---	50 741	50 844	50 755	51 110	51 064	50 968	50 901	51 015	50 633	50 958	51 343	51 817
1988 ---	52 080	52 540	52 986	53 241	53 766	53 980	54 422	55 091	55 733	56 030	56 460	56 700
1989 ---	57 444	57 858	57 755	57 827	58 041	58 722	58 815	58 815	58 752	58 788	59 053	58 222
1990 ---	58 625	58 613	57 853	57 989	58 101	57 127	57 613	57 642	57 548	57 157	57 052	56 064
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2	-	-5	-1	-3	-1	-4	-1.1	-2	-1.3	-1.7
1983 ---	-1.4	-8	-1.2	-6	2	-3	-8	-2	-	2	1	.2
1984 ---	-5	5	1.3	1.2	1.2	1.2	1.3	1.8	.4	1.7	.3	1
1985 ---	.9	-	-1.1	1	-2	-3	-4	-7	-5	-1.2	-1.4	-8
1986 ---	-9	-1.3	-5	-1.5	-2	-1.2	-6	-6	-4	-9	-5	-1.8
1987 ---	-4	2	-2	7	-1	-2	-1	2	-7	6	8	9
1988 ---	5	9	8	5	1.0	4	8	1.2	1.2	.5	8	4
1989 ---	1.3	.7	-2	1	4	5	.7	2	-1	1	5	-1.4
1990 ---	.7	-	-1.3	2	2	-1.7	.9	1	-2	-7	-2	-1.7
<b>DEFENSE CAPITAL GOODS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	15 973	16 378	16 723	16 877	17 080	17 250	17 317	17 443	17 628	17 927	18 217	18 360
1983 ---	18 969	19 294	19 790	19 778	20 410	20 562	20 562	20 886	20 384	20 104	20 266	20 535
1984 ---	20 401	21 283	22 303	22 537	23 409	24 004	24 897	25 327	26 036	26 398	26 324	26 343
1985 ---	26 859	27 761	28 232	28 528	28 756	29 516	30 107	30 364	30 683	30 689	30 503	30 109
1986 ---	30 509	30 554	31 776	31 938	32 336	32 479	32 400	32 180	32 320	32 215	31 667	30 470
1987 ---	30 974	31 635	31 875	32 363	32 687	32 677	33 399	33 656	33 762	34 248	34 472	33 275
1988 ---	33 579	34 267	34 620	34 687	35 613	35 952	35 989	34 795	35 455	35 913	35 404	35 788
1989 ---	36 631	37 214	38 342	38 396	39 302	39 165	39 945	40 249	39 560	40 440	40 350	38 791
1990 ---	39 510	40 373	40 711	40 992	41 380	40 741	40 947	41 264	40 505	40 652	40 681	37 354
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 175	16 352	16 445	16 732	16 794	17 003	17 091	17 401	17 701	18 118	18 510	18 852
1983 ---	19 276	19 307	19 472	19 642	20 090	20 273	20 281	20 786	20 357	20 212	20 581	21 141
1984 ---	20 821	21 356	22 028	22 423	23 066	23 680	24 539	25 135	25 889	26 411	26 657	27 147
1985 ---	27 476	27 931	27 989	28 428	28 381	29 187	29 665	30 082	30 446	30 557	30 795	31 050
1986 ---	31 229	30 795	31 610	31 833	31 938	32 188	31 905	31 834	32 083	32 001	31 869	31 438
1987 ---	31 709	31 898	31 748	32 251	32 290	32 451	32 891	33 273	33 557	33 953	34 602	34 384
1988 ---	34 376	34 550	34 507	34 559	35 176	35 760	35 450	34 361	35 295	35 548	35 461	37 006
1989 ---	37 499	37 524	38 215	38 255	38 799	39 002	39 369	39 728	39 473	40 014	40 394	40 102
1990 ---	40 438	40 723	40 549	40 850	40 845	40 602	40 360	40 732	40 437	40 205	40 726	38 617
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.1	6	1.7	.4	1.2	.5	1.8	1.7	2.4	2.2	1.8
1983 ---	2.2	2	.9	.9	2.3	.9	-	2.5	-2.1	-7	1.8	2.7
1984 ---	-1.5	2.6	3.1	1.8	2.9	2.7	3.6	2.4	3.0	2.0	9	1.8
1985 ---	1.2	1.7	2	1.6	-2	2.8	1.6	1.4	1.2	.4	8	8
1986 ---	.6	-1.4	2.6	7	3	8	-9	-2	8	-3	-4	-1.4
1987 ---	9	6	-5	1.6	1	5	1.4	1.2	9	1.2	1.9	-6
1988 ---	-	.5	-1	2	1.8	1.7	-9	-3.1	2.7	7	-2	4.4
1989 ---	1.3	.1	1.8	1	1.4	5	.9	9	-6	1.4	9	-7
1990 ---	.8	.7	-4	.7	-	-6	-6	9	-7	-6	1.3	-5.2

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLES, EXCLUDING CAPITAL GOODS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	117 593	118 194	117 413	116 654	115 927	114 843	113 308	112 579	111 026	109 797	107 494	106 006
1983	105 811	106 639	105 716	106 951	107 423	106 922	106 432	107 600	107 000	107 120	108 096	108 504
1984	109 685	112 050	113 373	114 910	116 219	116 548	116 373	117 834	117 782	117 706	117 336	116 896
1985	117 794	118 628	119 224	119 065	118 202	117 926	116 601	116 662	115 476	114 903	114 343	113 824
1986	114 226	115 224	114 952	115 396	115 295	114 239	113 474	113 026	111 851	111 187	111 342	111 455
1987	112 679	113 329	113 843	114 034	114 658	113 657	113 382	113 929	114 331	114 394	115 312	116 091
1988	118 913	120 833	120 748	121 298	122 415	121 515	122 289	123 521	123 726	124 070	125 445	126 050
1989	129 349	130 427	130 876	131 646	132 157	130 576	132 018	132 036	130 393	129 983	129 764	127 206
1990	130 586	131 015	129 861	130 697	130 951	129 173	130 005	130 622	129 961	129 984	130 473	129 079
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	118 059	117 255	116 096	115 038	114 165	113 847	113 234	112 449	111 966	111 244	109 291	107 833
1983	106 206	105 801	104 579	105 522	105 926	106 087	106 460	107 473	107 702	108 272	109 710	110 285
1984	110 029	111 215	112 306	113 524	114 759	115 794	116 474	117 638	118 444	118 819	118 911	118 707
1985	118 114	117 795	118 192	117 711	116 753	117 270	116 763	116 554	116 145	115 976	115 737	115 467
1986	114 336	114 380	113 999	114 207	113 955	113 755	113 678	112 980	112 554	112 603	112 996	112 986
1987	112 577	112 420	112 888	112 918	113 340	113 374	113 603	113 906	115 110	115 499	116 493	117 705
1988	118 607	119 799	119 786	120 188	121 030	121 399	122 538	123 485	124 601	125 224	126 568	127 802
1989	128 905	129 295	129 887	130 494	130 669	130 606	132 303	131 957	131 389	131 157	130 815	129 018
1990	130 094	129 869	128 922	129 597	129 519	129 257	130 255	130 503	130 956	131 138	131 449	130 885
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-7	-1.0	-9	-8	-3	-5	-7	-4	-6	-1.8	-1.3
1983	-1.5	-4	-1.2	9	4	2	4	1.0	2	5	1.3	5
1984	-2	1.1	1.0	1.1	1.1	9	6	1.0	7	3	1	-2
1985	-5	-3	3	-4	-8	4	-4	-2	-4	-1	-2	-2
1986	-1.0	-	-3	2	-2	-2	-1	-6	-4	-3	3	3
1987	-4	-1	4	-	4	-	2	3	1.1	3	9	1.0
1988	8	1.0	-	3	7	3	9	8	9	5	1.1	1.0
1989	9	3	5	5	1	-	1.3	-3	-4	-2	-3	-1.4
1990	8	-2	-7	5	-1	-2	8	2	3	1	2	-4
<b>PRODUCERS' DURABLE EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	128 927	130 324	130 303	131 134	130 976	130 153	129 094	128 908	127 275	126 880	124 670	122 079
1983	121 189	121 975	120 269	120 859	121 244	119 688	118 658	119 550	119 745	120 434	120 476	119 382
1984	121 083	123 365	124 937	126 947	128 414	128 601	129 377	132 036	131 832	133 905	133 574	131 715
1985	134 164	135 432	134 758	135 396	134 771	133 408	132 413	132 707	131 262	130 852	129 562	126 799
1986	127 664	128 425	127 507	127 241	127 023	124 967	124 517	124 462	123 514	123 590	122 956	119 813
1987	121 667	122 737	122 477	123 261	123 787	122 452	122 313	123 055	122 583	123 593	124 130	123 160
1988	126 220	128 587	128 782	130 085	131 405	130 626	131 273	133 791	133 145	133 998	135 734	135 395
1989	139 236	141 915	141 836	143 046	143 865	142 984	144 771	145 428	143 479	144 273	144 689	141 148
1990	145 442	145 542	144 047	145 368	145 867	142 250	143 672	143 801	142 207	143 055	143 399	139 316
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	129 292	129 159	128 945	129 331	129 169	129 612	129 396	128 946	128 161	127 673	125 720	124 633
1983	121 644	121 027	119 268	119 403	119 743	119 338	118 935	119 415	120 316	120 822	121 322	121 857
1984	121 599	122 509	124 117	125 551	126 929	128 373	129 674	131 762	132 314	134 103	134 330	134 387
1985	134 810	134 616	134 049	134 032	133 295	133 282	132 667	132 356	131 712	130 949	130 137	129 364
1986	128 206	127 654	126 967	126 064	125 688	124 896	124 690	124 092	123 991	123 718	123 457	122 303
1987	122 079	121 948	121 950	122 123	122 457	122 444	122 390	122 659	123 202	123 791	124 608	125 789
1988	126 521	127 638	128 235	128 908	129 962	130 681	131 294	133 330	133 967	134 258	136 191	138 319
1989	139 505	140 802	141 274	141 764	142 259	143 118	144 743	144 885	144 568	144 539	145 121	144 276
1990	145 675	144 328	143 506	144 079	144 244	142 395	143 579	143 206	143 338	143 315	143 823	142 403
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-1	-2	3	-1	3	-2	-3	-6	-4	-1.5	-9
1983	-2.4	-5	-1.5	1	3	-3	-3	4	8	4	4	4
1984	-2	7	1.3	1.2	1.1	1.1	1.0	1.6	4	1.4	2	-
1985	3	-1	-4	-	-5	-	-5	-2	-5	-6	-6	-6
1986	-9	-4	-5	-7	-3	-6	-2	-5	-1	-2	-2	-9
1987	-2	-1	-	1	3	-	-	2	4	5	7	9
1988	6	9	5	5	8	6	5	1.6	5	2	1.4	1.6
1989	9	9	3	3	3	6	1.1	1	-2	-	4	-6
1990	1.0	-9	-6	4	1	-1.3	8	-3	1	-	4	-1.0

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOUSEHOLD DURABLE GOODS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	11 509	11 668	11 560	11 694	11 787	11 775	11 707	11 515	11 198	10 936	10 634	10 571
1983 ---	10 737	10 777	10 651	10 856	11 008	11 012	10 715	10 676	10 464	10 361	10 174	10 462
1984 ---	10 645	10 839	11 111	11 515	11 727	11 766	11 809	11 910	11 774	11 781	11 566	11 844
1985 ---	12 286	12 316	12 348	12 474	12 499	12 417	12 386	12 322	11 809	11 603	11 392	11 298
1986 ---	11 378	11 409	11 437	11 805	11 808	11 856	11 809	11 609	11 123	11 023	10 848	10 932
1987 ---	11 334	11 568	11 633	11 867	12 189	12 088	12 215	11 985	11 801	11 815	11 643	11 749
1988 ---	12 152	12 442	12 358	12 446	12 731	12 705	12 797	12 658	12 335	12 283	12 226	12 416
1989 ---	12 906	13 033	13 101	13 384	13 594	13 401	13 588	13 700	13 430	13 348	13 175	13 017
1990 ---	13 522	13 618	13 644	13 852	14 007	13 769	13 578	13 536	13 219	12 997	12 695	12 396
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 612	11 628	11 463	11 423	11 375	11 457	11 505	11 379	11 375	11 259	11 122	10 923
1983 ---	10 821	10 738	10 573	10 608	10 647	10 723	10 514	10 545	10 608	10 630	10 629	10 843
1984 ---	10 732	10 821	11 056	11 255	11 343	11 457	11 552	11 756	11 932	12 067	12 090	12 268
1985 ---	12 413	12 317	12 315	12 208	12 103	12 087	12 082	12 156	11 961	11 865	11 898	11 707
1986 ---	11 490	11 411	11 419	11 562	11 435	11 545	11 513	11 446	11 283	11 268	11 320	11 330
1987 ---	11 434	11 556	11 609	11 632	11 817	11 793	11 899	11 814	11 958	12 065	12 126	12 198
1988 ---	12 261	12 422	12 331	12 207	12 337	12 408	12 478	12 503	12 495	12 534	12 704	12 907
1989 ---	13 012	13 004	13 072	13 133	13 168	13 099	13 258	13 543	13 600	13 623	13 673	13 548
1990 ---	13 625	13 591	13 622	13 604	13 577	13 464	13 246	13 371	13 362	13 254	13 158	12 901
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1	-14	-3	-4	7	4	-1.1	-	-10	-12	-18
1983 ---	-9	-8	-15	3	4	7	-1.9	3	6	2	-	20
1984 ---	-10	8	22	18	8	10	.8	1.8	1.5	1.1	2	15
1985 ---	12	-8	-	-9	-	-1	-	6	-16	-6	3	-16
1986 ---	-19	-7	1	1.3	-1.1	1.0	-3	-6	-14	-1	5	1
1987 ---	9	11	5	2	16	-2	.9	-7	12	9	5	6
1988 ---	5	13	-7	-10	11	6	.6	2	-1	3	14	16
1989 ---	8	-1	5	.5	3	-5	1.2	2.1	4	2	4	-9
1990 ---	6	-2	2	-1	-2	-8	-1.6	9	-1	-8	-7	-20
<b>INFORMATION TECHNOLOGY INDUSTRIES—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	24 740	25 095	25 109	25 331	25 465	25 371	25 413	25 383	25 214	25 204	25 069	24 207
1983 ---	24 505	24 778	24 818	25 170	25 575	25 498	25 685	25 888	25 743	25 872	25 989	25 930
1984 ---	25 880	26 614	27 234	27 896	28 625	28 940	29 723	30 184	29 933	30 766	30 793	30 708
1985 ---	31 145	31 624	31 521	32 016	31 861	31 589	31 633	31 334	30 839	30 693	30 110	29 235
1986 ---	29 102	29 065	28 902	28 917	28 936	28 109	27 957	27 733	26 977	26 865	26 484	25 540
1987 ---	25 693	26 007	25 731	26 166	26 610	26 231	26 384	26 621	26 129	26 407	26 526	26 251
1988 ---	26 694	27 314	27 289	27 842	28 444	28 167	28 644	29 222	28 974	29 440	29 625	29 072
1989 ---	29 574	30 104	29 926	30 314	30 503	30 036	30 872	31 056	30 456	30 903	31 346	29 638
1990 ---	30 005	30 230	29 663	30 221	30 441	29 204	29 806	30 059	29 227	29 204	28 971	27 109
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 016	25 100	25 014	25 046	25 061	25 147	25 189	25 197	25 232	25 300	25 266	24 834
1983 ---	24 825	24 821	24 792	24 923	25 199	25 310	25 426	25 658	25 802	25 898	26 156	26 586
1984 ---	26 256	26 695	27 273	27 637	28 218	28 746	29 396	29 859	29 990	30 727	30 931	31 446
1985 ---	31 631	31 752	31 643	31 766	31 427	31 418	31 280	30 953	30 910	30 608	30 191	29 929
1986 ---	29 556	29 176	29 069	28 708	28 544	27 990	27 661	27 372	27 057	26 782	26 502	26 158
1987 ---	26 079	26 078	25 888	25 997	26 250	26 172	26 136	26 254	26 226	26 304	26 470	26 888
1988 ---	27 080	27 356	27 479	27 688	28 063	28 166	28 404	28 780	29 104	29 315	29 488	29 776
1989 ---	29 992	30 133	30 152	30 163	30 086	30 085	30 631	30 548	30 624	30 759	31 142	30 378
1990 ---	30 436	30 242	29 897	30 083	30 030	29 279	29 581	29 554	29 391	29 063	28 757	27 787
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	3	-3	1	.1	3	.2	-	4	-	-1	-17
1983 ---	-	-	-1	5	1.1	4	.5	.9	6	4	10	16
1984 ---	-12	17	22	13	2.1	1.9	2.3	1.6	4	2.5	7	17
1985 ---	6	4	-3	4	-1.1	-	-4	-10	-1	-10	-14	-9
1986 ---	-12	-13	-7	-12	-6	-19	-12	-10	-12	-10	-10	-13
1987 ---	-3	-	-4	-7	10	-3	-1	5	-1	3	6	16
1988 ---	7	10	4	8	1.4	4	.8	1.3	7	7	10	10
1989 ---	7	5	1	-3	-3	-	1.8	-3	2	4	12	-25
1990 ---	2	-6	-11	6	-2	-25	1.0	-1	-6	-11	-11	-34

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
HEALTH CARE EQUIPMENT AND PRODUCTS—TOTAL INVENTORIES												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	7 004	7 127	7 176	7 323	7 312	7 306	7 224	7 143	7 043	7 094	7 144	7 005
1983 ---	7 014	7 072	7 093	7 227	7 310	7 243	7 188	7 212	7 152	7 220	7 303	7 162
1984 ---	7 245	7 452	7 561	7 758	7 866	7 914	7 966	8 005	7 959	8 051	8 143	8 031
1985 ---	8 091	8 204	8 284	8 433	8 527	8 509	8 520	8 468	8 324	8 426	8 442	8 253
1986 ---	8 286	8 310	8 396	8 588	8 653	8 665	8 713	8 651	8 569	8 701	8 796	8 584
1987 ---	8 690	8 825	8 841	8 892	9 050	9 058	9 012	9 026	8 965	9 065	9 209	9 151
1988 ---	9 259	9 518	9 672	9 709	9 986	10 017	10 101	10 197	10 091	10 225	10 352	10 317
1989 ---	10 413	10 539	10 680	10 866	10 979	10 970	10 602	10 556	10 355	10 449	10 453	10 192
1990 ---	10 579	10 689	10 761	10 925	11 074	10 905	10 958	11 187	11 035	11 277	11 319	11 030
Seasonally Adjusted—Millions of Dollars												
1982 ---	7 076	7 135	7 138	7 174	7 131	7 163	7 175	7 159	7 177	7 203	7 189	7 158
1983 ---	7 098	7 083	7 063	7 088	7 141	7 119	7 134	7 215	7 279	7 303	7 328	7 317
1984 ---	7 343	7 471	7 546	7 634	7 694	7 792	7 901	7 992	8 083	8 117	8 157	8 201
1985 ---	8 209	8 230	8 280	8 328	8 352	8 390	8 444	8 440	8 438	8 476	8 451	8 423
1986 ---	8 410	8 339	8 402	8 502	8 475	8 547	8 630	8 610	8 580	8 749	8 812	8 757
1987 ---	8 818	8 857	8 844	8 808	8 859	8 940	8 927	8 978	9 086	9 119	9 236	9 339
1988 ---	9 390	9 549	9 667	9 612	9 763	9 893	10 013	10 139	10 236	10 294	10 392	10 536
1989 ---	10 556	10 566	10 659	10 744	10 720	10 844	10 516	10 489	10 515	10 522	10 497	10 415
1990 ---	10 724	10 715	10 736	10 797	10 810	10 782	10 871	11 116	11 212	11 360	11 371	11 273
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	.8	—	.5	—6	.4	.2	—2	.3	.4	—2	—4
1983 ---	—8	—2	—3	.4	.7	—3	.2	1.1	.9	.3	.3	—2
1984 ---	.4	1.7	1.0	1.2	.8	1.3	1.4	1.2	1.1	.4	.5	.5
1985 ---	1	.3	.6	.6	.3	.5	.6	—	—	.5	—3	—3
1986 ---	—2	—8	.8	1.2	—3	.8	1.0	—2	.8	.8	.7	—6
1987 ---	.7	.4	—1	—4	.6	.9	—1	.6	1.2	.4	1.3	1.1
1988 ---	.5	1.7	1.2	—6	1.6	1.3	1.2	1.3	1.0	.6	1.0	1.4
1989 ---	.2	.1	.9	.8	—2	1.2	—3.0	—3	.2	.1	—2	—8
1990 ---	3.0	—1	.2	.6	.1	—3	.8	2.3	.9	1.3	.1	—9

Note: Data in this table may differ from annual data at the aggregate level shown in appendix D, tables 1 and 2 because of independent rounding.

— Represents no change. (NA) Not available.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	322 919	325 331	324 537	324 986	322 409	319 146	318 074	317 268	313 950	314 238	312 131	307 212
1983 ---	307 778	308 985	305 120	306 442	307 204	305 033	304 861	306 710	306 225	308 543	309 523	307 675
1984 ---	311 119	316 992	320 656	325 102	329 659	330 517	332 630	336 829	336 935	339 333	338 241	334 236
1985 ---	336 951	340 119	339 613	340 890	340 327	338 647	337 010	336 831	334 192	333 999	332 810	329 555
1986 ---	330 531	331 841	330 764	331 574	330 800	327 739	326 877	325 804	322 492	322 611	321 941	317 567
1987 ---	322 491	324 967	324 762	326 934	328 721	326 502	327 613	330 402	329 605	332 073	334 327	332 619
1988 ---	338 991	344 206	345 244	348 522	352 214	351 472	353 943	356 669	356 425	359 143	361 395	361 477
1989 ---	369 806	374 222	375 489	379 472	382 149	380 437	384 952	386 364	382 399	384 186	384 542	377 201
1990 ---	385 844	388 164	385 737	388 122	389 654	383 994	388 114	389 637	388 993	391 165	391 216	382 135
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	322 913	322 516	321 845	321 266	318 674	318 297	318 621	318 040	316 733	316 326	313 992	311 829
1983 ---	308 034	306 601	302 896	303 281	303 989	304 378	305 309	307 096	308 519	309 915	311 123	312 350
1984 ---	311 639	314 917	318 837	322 212	326 472	329 844	332 768	336 533	338 703	340 399	339 903	339 484
1985 ---	337 935	338 371	338 066	338 157	337 151	337 992	336 936	336 192	335 681	334 764	334 288	334 803
1986 ---	331 486	330 312	329 609	329 173	327 838	327 252	326 572	324 838	323 764	323 245	323 397	322 731
1987 ---	323 352	323 531	323 797	324 642	325 850	326 343	327 125	329 293	331 019	332 642	335 656	338 212
1988 ---	339 677	342 565	344 384	346 155	349 074	351 473	353 254	355 370	358 087	359 726	362 702	367 596
1989 ---	370 460	372 356	374 561	376 959	378 756	380 719	384 110	384 808	384 335	384 644	385 851	383 825
1990 ---	386 547	386 273	384 947	385 652	386 235	384 373	387 104	387 986	390 992	391 460	392 370	388 811
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-2	-2	-8	-1	.1	-2	-4	-1	-7	-7
1983 ---	-12	-5	-12	.1	2	1	.3	6	.5	.5	4	4
1984 ---	-2	11	12	1.1	13	10	.9	1.1	6	.5	-1	-1
1985 ---	-5	1	-1	-	-3	2	-3	-2	-2	-3	-1	2
1986 ---	-10	-4	-2	-1	-4	-2	-2	-5	-3	-2	-	-2
1987 ---	2	1	1	.3	4	2	.2	.7	.5	.5	9	8
1988 ---	4	9	5	5	8	.7	.5	.6	.8	.5	.8	1.3
1989 ---	8	5	6	6	5	.5	.9	2	-1	1	3	-5
1990 ---	7	-1	-3	2	2	-5	.7	.2	8	1	2	-9
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	110 361	110 086	109 268	109 304	107 778	106 550	106 490	105 497	104 094	104 179	103 570	103 601
1983 ---	102 710	102 104	100 861	101 021	100 991	100 704	100 533	101 604	102 134	103 123	103 626	105 661
1984 ---	106 395	107 253	107 816	108 129	109 686	109 604	111 575	112 115	112 515	112 698	111 983	112 257
1985 ---	112 112	111 796	110 668	110 914	109 710	109 430	108 675	108 535	107 235	107 666	106 519	108 657
1986 ---	107 408	106 700	105 363	105 344	104 309	104 087	104 444	103 597	102 959	102 654	102 285	104 307
1987 ---	104 808	104 393	104 003	105 126	105 207	105 436	105 673	105 684	106 426	106 765	107 314	109 512
1988 ---	110 507	110 793	111 680	112 329	112 904	113 910	115 161	116 600	117 067	117 509	117 603	119 116
1989 ---	120 350	120 576	120 203	119 988	119 429	119 351	120 653	121 135	119 818	120 231	120 343	120 225
1990 ---	120 750	119 832	118 964	118 813	118 460	117 658	119 252	119 251	119 134	120 497	120 804	121 417
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	109 124	109 103	108 385	108 509	107 565	107 156	107 012	106 225	105 208	105 045	104 132	103 166
1983 ---	101 547	101 173	100 203	100 413	100 878	101 290	100 997	102 225	103 076	103 770	104 221	105 132
1984 ---	105 278	106 349	107 371	107 653	109 686	110 129	111 853	112 466	113 237	113 254	112 652	111 716
1985 ---	111 094	111 016	110 427	110 566	109 801	109 929	108 870	108 729	107 778	108 117	107 160	108 114
1986 ---	106 140	106 011	105 281	105 134	104 543	104 564	104 571	103 643	103 401	103 042	102 887	103 779
1987 ---	103 880	103 789	103 982	104 980	105 530	105 990	105 772	105 656	106 893	107 080	107 843	109 035
1988 ---	109 532	110 197	111 708	112 217	113 278	114 492	115 185	116 466	117 551	117 762	118 036	118 646
1989 ---	119 344	120 010	120 244	119 948	119 888	120 003	120 642	120 911	120 311	120 386	120 671	119 751
1990 ---	119 739	119 275	119 013	118 851	119 004	118 382	119 291	119 047	119 675	120 586	121 022	120 901
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	-7	1	-9	-4	-1	-7	-10	-2	-9	-9
1983 ---	-16	-4	-10	2	5	.4	-3	12	8	7	4	.9
1984 ---	1	10	10	.3	1.9	.4	16	5	7	-	-5	-8
1985 ---	-6	-1	-5	.1	-7	1	-1.0	-1	-9	.3	-9	.9
1986 ---	-15	-4	-7	-1	-6	-	-	-9	-2	-3	-2	9
1987 ---	1	-1	2	10	5	4	-2	-1	12	2	7	1.1
1988 ---	5	6	14	.5	.9	1.1	.6	1.1	9	2	.2	5
1989 ---	6	6	2	-2	-1	1	.5	2	-5	1	2	-8
1990 ---	-	-4	-2	-1	.1	-5	8	-2	5	8	4	-1

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	107 715	108 438	108 355	108 598	108 220	107 394	106 899	107 362	106 278	106 241	105 379	102 687
1983 ---	103 662	104 612	103 561	104 068	104 538	103 020	103 303	104 317	103 911	104 733	104 411	102 842
1984 ---	104 233	106 863	109 125	111 209	112 842	112 851	113 730	116 260	116 017	117 392	116 998	114 477
1985 ---	116 099	117 643	118 235	118 188	118 201	117 711	118 733	119 085	119 289	118 752	118 085	114 357
1986 ---	115 703	116 844	117 784	117 455	117 483	116 805	116 262	116 716	116 671	116 866	115 574	111 853
1987 ---	113 700	115 711	115 973	115 955	116 785	116 381	116 853	118 816	119 557	120 341	121 091	118 144
1988 ---	120 937	123 765	124 173	125 210	127 308	126 338	127 286	127 626	128 022	129 143	130 117	128 992
1989 ---	132 062	134 498	137 075	139 394	140 804	140 237	142 752	143 652	142 021	143 227	143 472	139 087
1990 ---	143 351	144 031	143 722	145 019	145 737	142 426	144 610	145 761	145 576	145 694	145 537	137 931
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	108 433	107 901	107 405	107 458	107 014	107 426	106 890	106 902	106 447	106 191	105 806	105 302
1983 ---	104 484	104 215	102 719	103 130	103 477	103 020	103 241	103 758	103 864	104 481	104 720	105 582
1984 ---	105 246	106 583	108 346	110 353	111 740	112 836	113 622	115 536	115 663	116 882	117 237	117 578
1985 ---	117 429	117 495	117 476	117 467	117 164	117 679	118 585	118 285	118 748	118 073	118 184	117 535
1986 ---	117 117	116 815	117 168	116 861	116 462	116 784	115 980	115 902	116 077	116 156	115 603	115 076
1987 ---	115 104	115 731	115 418	115 315	115 654	116 380	116 429	117 979	119 088	119 656	121 072	121 645
1988 ---	122 374	123 743	123 651	124 455	125 986	126 444	126 755	126 730	127 633	128 383	130 034	132 849
1989 ---	133 629	134 466	136 555	138 462	139 230	140 443	142 077	142 597	141 830	142 417	143 388	143 314
1990 ---	145 015	143 977	143 241	144 028	144 093	142 717	143 795	144 639	145 501	144 847	145 437	142 075
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-5	-5	-	-4	.4	-5	-	-4	-2	-4	-5
1983 ---	-8	-3	-1.4	.4	.3	-4	.2	.5	1	6	2	.8
1984 ---	-3	1.3	1.7	1.9	1.3	1.0	.7	1.7	1	1.1	.3	.3
1985 ---	-1	1	-	-	-3	.4	.8	-3	4	-6	.1	-5
1986 ---	-4	-3	.3	-3	-3	.3	-7	-1	2	1	-5	-5
1987 ---	-	5	-3	-1	.3	.6	-	1.3	.9	5	1.2	.5
1988 ---	6	1.1	-1	.7	1.2	.4	.2	-	.7	6	1.3	2.2
1989 ---	6	6	1.6	1.4	6	9	1.2	4	-5	.4	.7	-1
1990 ---	1.2	-7	-5	.5	-	-1.0	.8	.6	6	-4	4	-2.3
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	104 843	106 807	106 914	107 084	106 411	105 202	104 685	104 409	103 578	103 818	103 182	100 924
1983 ---	101 406	102 269	100 698	101 353	101 675	101 309	101 025	100 789	100 180	100 687	101 486	99 172
1984 ---	100 491	102 876	103 715	105 764	107 131	108 062	107 325	108 454	108 403	109 243	109 260	107 502
1985 ---	106 740	110 680	110 710	111 788	112 416	111 506	109 602	109 211	107 668	107 581	108 206	106 541
1986 ---	107 420	108 297	107 617	108 775	109 008	106 847	106 171	105 491	102 862	103 081	104 082	101 407
1987 ---	103 983	104 863	104 786	105 853	106 729	104 685	105 087	105 902	103 622	104 967	105 922	104 963
1988 ---	107 547	109 648	109 391	110 983	112 002	111 224	111 496	112 443	111 336	112 491	113 675	113 369
1989 ---	117 394	119 148	118 211	120 090	121 916	120 849	121 547	121 577	120 560	120 728	120 727	117 889
1990 ---	121 743	124 301	123 051	124 290	125 457	123 910	124 252	124 625	124 283	124 974	124 875	122 787
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	105 356	105 512	106 055	105 299	104 095	103 715	104 719	104 913	105 078	105 090	104 054	103 361
1983 ---	102 003	101 213	99 974	99 738	99 634	100 068	101 071	101 113	101 579	101 664	102 182	101 636
1984 ---	101 115	101 985	103 120	104 206	105 046	106 879	107 293	108 531	109 803	110 263	110 014	110 190
1985 ---	109 412	109 860	110 163	110 124	110 186	110 384	109 481	109 178	109 155	108 574	108 944	109 154
1986 ---	107 929	107 486	107 160	107 178	106 833	105 904	106 021	105 293	104 286	104 047	104 907	103 876
1987 ---	104 368	104 011	104 397	104 347	104 666	103 973	104 924	105 658	105 038	105 906	106 741	107 532
1988 ---	107 771	108 625	109 025	109 483	109 810	110 537	111 314	112 174	112 903	113 581	114 632	116 101
1989 ---	117 487	117 880	117 762	118 549	119 638	120 273	121 391	121 300	122 194	121 841	121 792	120 760
1990 ---	121 793	123 021	122 693	122 773	123 138	123 274	124 018	124 300	125 816	126 027	125 911	125 835
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1	5	-7	-1.1	-4	1.0	2	.2	-	-1.0	-7
1983 ---	-1.3	-8	-1.2	-2	-1	4	1.0	-	5	1	.5	-5
1984 ---	-5	9	1.1	1.1	.8	1.7	.4	1.2	1.2	4	-2	.2
1985 ---	-7	4	.3	-	.1	.2	-8	-3	-	-5	.3	.2
1986 ---	-1.1	-4	-3	-	-3	-9	.1	-7	-1.0	-2	.8	-1.0
1987 ---	5	-3	.4	-	.3	-7	.9	7	-6	8	.8	.7
1988 ---	2	8	.4	.4	.3	7	7	8	6	9	9	1.3
1989 ---	1.2	3	-1	.7	.9	5	.9	-1	7	-3	-	-8
1990 ---	9	1.0	-3	1	3	1	6	2	1.2	2	-1	-1

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	207 312	209 548	209 266	209 797	209 287	207 683	206 158	205 479	203 123	202 516	199 820	196 663
1983 ---	196 341	197 852	195 883	197 068	198 259	196 445	195 382	196 561	195 387	195 934	196 614	196 002
1984 ---	197 743	202 082	205 279	208 321	211 439	212 223	213 901	217 238	217 486	219 366	218 934	217 049
1985 ---	220 002	222 410	222 741	223 476	223 183	222 683	221 654	221 572	219 945	218 697	217 345	213 978
1986 ---	215 255	216 780	217 459	217 864	218 252	216 290	215 295	214 692	213 275	212 626	211 826	207 865
1987 ---	210 728	212 450	212 576	214 095	215 267	213 628	214 131	215 519	215 020	216 486	218 078	216 343
1988 ---	221 044	225 161	225 807	227 725	230 533	229 592	231 295	232 745	232 990	234 629	236 483	236 520
1989 ---	242 954	246 755	247 899	250 071	252 422	250 855	254 258	255 166	252 083	253 400	253 800	248 011
1990 ---	253 925	255 797	253 857	256 205	257 462	253 034	255 373	255 977	253 780	254 748	255 440	247 615
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	208 316	208 079	207 185	207 192	206 325	206 356	205 858	205 393	204 682	204 250	201 939	200 409
1983 ---	197 471	196 632	194 120	194 817	195 632	195 277	195 088	196 247	196 396	197 105	198 503	199 814
1984 ---	199 032	201 037	203 791	206 225	208 815	211 102	213 556	216 612	218 240	220 279	220 741	221 284
1985 ---	221 601	221 505	221 418	221 428	220 529	221 640	221 236	220 844	220 587	219 399	218 903	218 182
1986 ---	216 725	215 957	216 414	216 057	215 774	215 423	214 810	213 909	213 936	213 230	213 157	212 010
1987 ---	211 983	211 582	211 608	212 355	212 831	213 004	213 567	214 695	215 853	217 048	219 281	220 790
1988 ---	222 160	224 102	224 886	225 945	227 931	229 155	230 651	231 784	234 072	235 141	237 550	241 389
1989 ---	244 070	245 525	246 984	248 167	249 532	250 615	253 518	254 012	253 533	253 824	254 799	253 261
1990 ---	255 068	254 499	252 994	254 328	254 564	252 877	254 521	254 721	255 278	255 113	256 387	252 836
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.1	-.4	-	-.4	-	-.2	-.2	-.3	-.2	-.11	-.8
1983 ---	-1.5	-.4	-1.3	.4	-.4	-.2	-.1	.6	.1	.4	.7	.7
1984 ---	-.4	1.0	1.4	1.2	1.3	1.1	1.2	1.4	.8	.9	.2	.2
1985 ---	.1	-	-	-	-.4	.5	-.2	-.2	-.1	-.5	-.2	-.3
1986 ---	-.7	-.4	.2	-.2	-.1	-.2	-.3	-.4	-	-.3	-	-.5
1987 ---	-	-.2	-	.4	.2	.1	.3	.5	.5	.6	1.0	.7
1988 ---	.6	.9	.3	.5	.9	.5	.7	.5	1.0	.5	1.0	1.6
1989 ---	1.1	.6	.6	.5	.6	.4	1.2	.2	-.2	.1	.4	-.6
1990 ---	.7	-.2	-.6	.5	.1	-.7	.7	.1	-.2	-.1	.5	-1.4
<b>DURABLE GOODS INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	64 581	64 397	63 556	63 209	62 373	62 120	62 120	61 550	60 768	60 571	59 525	59 032
1983 ---	58 191	57 971	57 029	57 412	57 807	57 630	57 814	58 715	58 904	59 327	59 739	60 243
1984 ---	60 470	61 079	61 629	61 944	63 057	63 580	65 235	66 280	66 549	66 648	65 878	65 977
1985 ---	65 800	65 642	65 021	65 327	64 609	64 663	64 708	64 845	64 291	64 338	63 512	64 001
1986 ---	62 899	62 509	61 893	62 116	61 789	61 915	62 092	61 743	61 693	61 181	61 043	61 482
1987 ---	61 753	61 424	61 044	61 730	61 751	61 980	62 052	62 117	62 298	62 447	62 827	63 699
1988 ---	64 262	64 377	64 754	65 113	65 645	66 266	67 443	68 607	68 806	68 757	68 805	69 511
1989 ---	70 736	71 153	71 130	70 889	70 726	70 772	72 038	72 575	71 901	72 073	71 820	71 337
1990 ---	71 737	71 020	69 999	70 079	70 136	69 721	70 818	70 689	70 334	70 938	70 989	71 242
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	64 328	64 233	63 583	63 244	62 467	62 317	61 953	61 347	60 782	60 554	59 739	59 131
1983 ---	57 992	57 855	57 150	57 488	57 931	57 824	57 644	58 457	58 786	59 225	59 928	60 322
1984 ---	60 295	60 984	61 860	62 057	63 230	63 789	65 031	65 910	66 372	66 537	66 107	66 027
1985 ---	65 647	65 587	65 315	65 426	64 799	64 876	64 498	64 436	64 089	64 271	63 737	64 020
1986 ---	62 718	62 457	62 212	62 246	62 053	62 135	61 927	61 311	61 510	61 141	61 234	61 445
1987 ---	61 529	61 347	61 326	61 873	62 063	62 240	61 887	61 647	62 146	62 410	63 005	63 685
1988 ---	63 993	64 281	65 045	65 310	66 008	66 554	67 278	68 060	68 679	68 666	68 947	69 488
1989 ---	70 433	71 055	71 423	71 147	71 144	71 121	71 852	71 959	71 831	71 923	71 919	71 295
1990 ---	71 423	70 916	70 282	70 390	70 599	70 107	70 637	70 044	70 268	70 741	71 041	71 191
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.1	-1.0	-.5	-1.2	-.2	-.6	-1.0	-.9	-.4	-1.3	-1.0
1983 ---	-1.9	-.2	-1.2	.6	.8	-.2	-.3	1.4	.6	.7	1.2	.7
1984 ---	-	1.1	1.4	.3	1.9	.9	1.9	1.4	.7	.2	-.6	-.1
1985 ---	-.6	-.1	-.4	.2	-1.0	.1	-.6	-.1	-.5	-.3	-.8	.4
1986 ---	-2.0	-.4	-.4	.1	-.3	.1	-.3	-1.0	.3	-.6	.2	.3
1987 ---	.1	-.3	-	.9	.3	.3	-.6	-.4	.8	.4	1.0	1.1
1988 ---	.5	.5	1.2	.4	1.1	.8	1.1	1.2	.9	-	.4	.8
1989 ---	1.4	.9	.5	-.4	-	-	1.0	.1	-.2	.1	-	-.9
1990 ---	.2	-.7	-.9	.2	.3	-.7	.8	-.8	.3	.7	.4	.2

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLE GOODS INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	88 763	89 629	89 444	89 389	89 053	88 337	87 475	87 921	87 144	87 385	86 650	84 626
1983 ---	85 269	85 985	85 156	85 273	85 927	84 645	84 566	85 417	85 011	85 605	85 301	84 696
1984 ---	85 505	87 772	89 944	91 494	92 836	93 167	94 117	96 176	96 424	97 725	97 690	95 707
1985 ---	97 243	98 636	99 401	99 227	99 183	98 978	99 825	100 191	100 363	99 423	98 553	95 450
1986 ---	97 255	98 134	99 600	99 294	99 376	98 769	98 282	98 960	98 873	98 905	97 602	94 226
1987 ---	95 584	96 978	97 209	97 278	97 899	97 498	98 091	99 703	100 465	101 202	101 771	99 376
1988 ---	101 724	104 487	104 600	105 424	107 298	106 483	107 154	107 482	107 895	108 774	109 773	109 092
1989 ---	111 496	113 828	115 831	117 724	119 279	118 629	120 639	121 480	119 853	120 513	121 052	117 303
1990 ---	120 976	121 684	121 256	122 572	123 156	120 478	122 163	122 972	122 449	122 255	122 436	115 655
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	89 356	89 099	88 467	88 486	88 076	88 307	87 526	87 556	87 337	87 467	87 096	86 693
1983 ---	85 979	85 601	84 266	84 519	85 069	84 595	84 585	84 960	84 937	85 444	85 684	86 884
1984 ---	86 419	87 519	89 133	90 808	91 957	93 109	94 108	95 548	96 077	97 320	97 997	98 234
1985 ---	98 497	98 519	98 632	98 620	98 325	98 902	99 767	99 471	99 849	98 859	98 749	98 065
1986 ---	98 609	98 124	98 996	98 777	98 488	98 670	98 078	98 204	98 337	98 314	97 721	96 923
1987 ---	96 930	97 003	96 690	96 728	96 906	97 417	97 769	98 337	100 029	100 642	101 849	102 324
1988 ---	103 998	104 463	104 132	104 760	106 090	106 448	106 720	106 645	107 551	108 217	109 814	112 360
1989 ---	112 985	113 779	115 395	116 905	117 822	118 659	120 100	120 516	119 681	119 924	121 092	120 890
1990 ---	122 536	121 590	120 881	121 720	121 617	120 546	121 509	121 956	122 352	121 692	122 487	119 169
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-7	-	-5	.3	-9	-	-3	.1	-4	-5
1983 ---	-8	-4	-16	.3	.7	-6	-	.4	-	.6	.3	1.4
1984 ---	-5	1.3	18	19	13	1.3	1.1	1.5	.6	1.3	.7	.2
1985 ---	.3	-	1	-	-3	6	.9	-3	.4	-1.0	-1	-7
1986 ---	6	-5	.9	-2	-3	2	-6	.1	.1	-	-6	-8
1987 ---	-	1	-3	-	2	5	.4	1.2	1.1	.6	1.2	.5
1988 ---	8	1.3	-3	6	1.3	.3	.3	-1	.8	.6	1.5	2.3
1989 ---	6	7	1.4	1.3	.8	.7	1.2	.3	-7	.2	1.0	-2
1990 ---	1.4	-8	-6	.7	-1	-9	.8	.4	.3	-5	.7	-2.7
<b>DURABLE GOODS INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	53 968	55 522	56 266	57 199	57 861	57 226	56 563	56 008	55 211	54 560	53 645	53 005
1983 ---	52 881	53 896	53 698	54 383	54 525	54 170	53 002	52 429	51 472	51 002	51 574	51 083
1984 ---	51 768	53 231	53 706	54 883	55 546	55 476	54 549	54 782	54 513	54 993	55 366	55 365
1985 ---	56 959	58 132	58 319	58 922	59 391	59 042	57 121	56 536	55 291	54 936	55 280	54 527
1986 ---	55 101	56 137	55 966	56 454	57 087	55 606	54 921	53 989	52 709	52 540	53 181	52 157
1987 ---	53 391	54 048	54 323	55 087	55 617	54 150	53 988	53 699	52 257	52 837	53 480	53 268
1988 ---	55 058	56 237	56 453	57 188	57 590	56 843	56 698	56 656	56 289	57 098	57 905	57 917
1989 ---	60 722	61 774	60 938	61 458	62 417	61 454	61 581	61 111	60 329	60 814	60 928	59 371
1990 ---	61 212	63 093	62 602	63 554	64 170	62 835	62 392	62 316	60 997	61 555	62 015	60 718
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	54 632	54 747	55 135	55 462	55 782	55 732	56 379	56 490	56 563	56 229	55 104	54 585
1983 ---	53 500	53 176	52 704	52 810	52 632	52 858	52 859	52 830	52 673	52 436	52 891	52 608
1984 ---	52 318	52 534	52 798	53 360	53 628	54 204	54 417	55 154	55 791	56 422	56 637	57 023
1985 ---	57 457	57 399	57 471	57 382	57 405	57 862	56 971	56 937	56 649	56 269	56 417	56 097
1986 ---	55 398	55 376	55 206	55 034	55 233	54 618	54 805	54 394	54 089	53 775	54 202	53 642
1987 ---	53 524	53 232	53 592	53 754	53 862	53 347	53 911	54 111	53 678	53 996	54 427	54 811
1988 ---	55 069	55 358	55 709	55 875	55 833	56 153	56 653	57 079	57 842	58 258	58 789	59 541
1989 ---	60 652	60 691	60 166	60 115	60 586	60 835	61 566	61 537	62 021	61 977	61 788	61 076
1990 ---	61 109	61 933	61 831	62 218	62 348	62 224	62 375	62 721	62 658	62 680	62 859	62 476
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.2	.7	.6	.6	-1	1.2	.2	.1	-.6	-2.0	-.9
1983 ---	-2.0	-.6	-.9	1.1	-.3	.4	.4	-.1	-.3	-.4	-.9	-.5
1984 ---	-.6	-.4	-.1	1.1	-.5	.8	.4	1.4	1.2	1.1	.4	-.7
1985 ---	8	-1	1	-.2	-.8	-.1	-.1	-.1	-.5	-.7	-.3	-.6
1986 ---	-1.2	-	-3	-.3	.4	-.1	-.3	-.7	-.6	-.6	-.8	-1.0
1987 ---	-2	-5	.7	.3	.2	-.1	-.1	-.4	-.8	-.6	-.8	-.7
1988 ---	5	5	.6	.3	-.1	.6	.9	.8	1.3	.7	-.9	1.3
1989 ---	1.9	1	-.9	-.1	.8	4	1.2	-.8	8	-.1	-.3	-1.2
1990 ---	1	1.4	-.3	.6	.2	-.2	.2	.6	-.1	-.1	-.3	-.6

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	6 601	6 857	6 828	6 810	6 790	6 641	6 526	6 485	6 360	6 319	6 292	6 371
1983 ---	6 303	6 572	6 631	6 684	6 654	6 546	6 531	6 441	6 314	6 318	6 336	6 497
1984 ---	6 512	6 715	6 850	6 926	7 005	6 991	6 962	6 944	6 852	6 785	6 789	6 909
1985 ---	7 016	7 254	7 356	7 364	7 347	7 382	7 323	7 095	6 994	6 735	6 840	6 912
1986 ---	6 916	7 083	7 154	7 170	7 207	7 148	7 106	7 147	6 828	6 737	6 868	6 967
1987 ---	7 234	7 204	7 321	7 292	7 351	7 239	7 197	7 136	6 963	6 892	6 946	7 033
1988 ---	7 134	7 297	7 307	7 352	7 498	7 293	7 356	7 264	7 216	7 237	7 247	7 374
1989 ---	7 522	7 744	7 805	7 884	8 012	7 830	7 924	7 744	7 630	7 600	7 607	7 647
1990 ---	7 722	7 893	7 872	7 940	7 901	7 827	7 846	7 771	7 724	7 811	7 854	8 018
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 636	6 685	6 606	6 567	6 564	6 534	6 496	6 548	6 544	6 588	6 553	6 506
1983 ---	6 353	6 425	6 428	6 464	6 447	6 439	6 497	6 490	6 485	6 564	6 577	6 628
1984 ---	6 572	6 586	6 657	6 717	6 799	6 876	6 915	6 986	7 029	7 032	7 029	7 041
1985 ---	7 083	7 135	7 162	7 160	7 138	7 260	7 261	7 131	7 170	6 970	7 070	7 043
1986 ---	6 977	6 973	6 978	6 988	7 003	7 037	7 035	7 182	6 996	6 968	7 087	7 096
1987 ---	7 290	7 091	7 151	7 117	7 144	7 140	7 122	7 177	7 136	7 119	7 156	7 162
1988 ---	7 178	7 177	7 147	7 181	7 289	7 210	7 277	7 310	7 396	7 465	7 458	7 504
1989 ---	7 562	7 613	7 641	7 703	7 793	7 755	7 839	7 797	7 621	7 827	7 818	7 780
1990 ---	7 758	7 757	7 713	7 759	7 686	7 760	7 761	7 828	7 911	8 039	8 078	8 157
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	7	-1.2	-6	-	-5	-6	8	-1	7	-5	-7
1983 ---	-2.4	1.1	-	6	-3	-1	.9	-1	-1	1.2	2	8
1984 ---	-8	2	1.1	.9	1.2	1.1	.6	1.0	.6	-	-	2
1985 ---	6	7	4	-	-3	1.7	-	-1.8	-	-2.8	1.4	-4
1986 ---	-9	-1	.1	1	2	.5	-	2.1	-2.6	-4	1.7	1
1987 ---	2.7	-2.7	.8	-5	4	-1	-3	.8	-6	-2	5	1
1988 ---	.2	-	-4	5	1.5	-1.1	.9	.5	1.2	9	-1	6
1989 ---	8	.7	4	8	1.2	-5	1.1	-5	3	1	-1	-5
1990 ---	-3	-	-6	6	-9	1.0	-	9	1.1	1.6	5	1.0
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 267	2 303	2 290	2 281	2 235	2 208	2 189	2 183	2 162	2 163	2 134	2 159
1983 ---	2 092	2 146	2 160	2 141	2 115	2 113	2 124	2 151	2 138	2 120	2 108	2 153
1984 ---	2 121	2 129	2 159	2 182	2 249	2 239	2 289	2 330	2 329	2 311	2 278	2 295
1985 ---	2 248	2 257	2 244	2 281	2 298	2 319	2 354	2 315	2 297	2 236	2 265	2 269
1986 ---	2 262	2 264	2 252	2 310	2 305	2 301	2 332	2 365	2 276	2 292	2 266	2 303
1987 ---	2 348	2 342	2 349	2 315	2 331	2 303	2 338	2 316	2 258	2 244	2 262	2 319
1988 ---	2 309	2 355	2 328	2 350	2 407	2 372	2 431	2 398	2 377	2 357	2 376	2 401
1989 ---	2 424	2 474	2 477	2 490	2 507	2 470	2 526	2 500	2 486	2 464	2 558	2 569
1990 ---	2 556	2 533	2 488	2 506	2 545	2 526	2 548	2 534	2 516	2 554	2 519	2 571
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 251	2 313	2 282	2 279	2 226	2 207	2 175	2 176	2 160	2 183	2 166	2 143
1983 ---	2 087	2 156	2 158	2 137	2 107	2 110	2 108	2 138	2 138	2 135	2 138	2 146
1984 ---	2 123	2 138	2 161	2 177	2 239	2 235	2 267	2 310	2 328	2 310	2 310	2 293
1985 ---	2 255	2 265	2 250	2 277	2 285	2 316	2 326	2 293	2 302	2 252	2 298	2 271
1986 ---	2 271	2 265	2 258	2 305	2 289	2 298	2 299	2 345	2 286	2 312	2 296	2 305
1987 ---	2 356	2 338	2 355	2 311	2 316	2 301	2 302	2 301	2 273	2 263	2 290	2 321
1988 ---	2 314	2 346	2 332	2 345	2 390	2 371	2 393	2 387	2 399	2 378	2 403	2 400
1989 ---	2 427	2 462	2 478	2 487	2 493	2 470	2 487	2 493	2 513	2 484	2 590	2 564
1990 ---	2 556	2 517	2 490	2 504	2 530	2 527	2 511	2 528	2 545	2 575	2 548	2 565
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.8	-1.3	-1	-2.3	-9	-1.4	-	-7	1.1	-8	-1.1
1983 ---	-2.6	3.3	.1	-1.0	-1.4	1	-1	1.4	-	-1	1	4
1984 ---	-1.1	7	1.1	7	2.8	-2	1.4	1.9	9	-1	-8	-7
1985 ---	-1.7	4	-7	1.2	4	1.4	.4	-1.4	4	-2.2	2.0	-1.2
1986 ---	-	-3	-3	2.1	-7	4	-	2.0	-2.5	1.1	-7	4
1987 ---	2.2	-8	7	-1.9	2	-6	-	-	-1.2	-4	1.2	1.4
1988 ---	-3	14	-6	6	1.9	-8	.9	-3	5	-9	1.1	-1
1989 ---	1.1	14	6	4	2	-9	7	2	8	-1.2	4.3	-1.0
1990 ---	-3	-1.5	-1.1	6	1.0	-1	-6	.7	7	1.2	-1.0	7

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	1 025	1 091	1 081	1 051	1 037	1 006	967	981	981	960	967	964
1983	940	947	1 008	1 038	1 042	1 057	961	959	956	927	945	981
1984	1 004	1 076	1 062	1 037	1 024	1 047	1 014	1 030	1 017	1 019	996	1 021
1985	1 062	1 124	1 133	1 135	1 117	1 120	1 117	1 115	1 143	1 060	1 035	1 043
1986	1 066	1 089	1 119	1 069	1 047	1 048	1 052	1 050	1 022	961	1 010	997
1987	1 063	1 026	1 039	1 042	1 028	1 049	1 060	1 055	1 050	1 057	1 048	1 062
1988	1 143	1 164	1 187	1 173	1 202	1 162	1 149	1 141	1 127	1 087	1 053	1 081
1989	1 126	1 169	1 186	1 199	1 175	1 153	1 136	1 088	1 064	1 044	1 034	1 002
1990	1 054	1 083	1 070	1 066	1 052	1 041	1 007	1 002	994	979	978	1 013
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	1 041	1 038	1 013	989	991	982	978	1 000	1 008	1 022	1 027	1 008
1983	951	904	951	988	1 007	1 035	972	972	976	977	997	1 017
1984	1 013	1 033	1 010	997	999	1 027	1 022	1 039	1 036	1 065	1 047	1 056
1985	1 068	1 085	1 083	1 099	1 098	1 100	1 120	1 119	1 162	1 100	1 087	1 081
1986	1 068	1 054	1 074	1 038	1 032	1 030	1 048	1 051	1 038	995	1 063	1 037
1987	1 062	995	997	1 012	1 014	1 032	1 052	1 057	1 069	1 092	1 103	1 109
1988	1 141	1 130	1 143	1 134	1 182	1 142	1 138	1 146	1 150	1 124	1 108	1 133
1989	1 125	1 133	1 141	1 158	1 152	1 130	1 126	1 095	1 087	1 081	1 088	1 052
1990	1 053	1 049	1 030	1 027	1 029	1 019	999	1 009	1 015	1 013	1 029	1 065
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-3	-2.4	-2.4	.2	-.9	-.4	2.2	8	1.4	5	-1.9
1983	-5.7	-4.9	5.2	3.9	1.9	2.8	-6.1	2.2	4	1	2.0	2.0
1984	-4	2.0	-2.2	-1.3	.2	2.8	5	1.7	-3	2.8	-1.7	.9
1985	1.1	1.6	-.2	1.5	-.1	2	1.8	-.1	3.8	-5.3	-1.2	-.6
1986	-1.2	-1.3	1.9	-3.4	-.6	-.2	1.7	3	-1.2	-4.1	6.8	-2.4
1987	2.4	-6.3	.2	1.5	.2	1.8	1.9	5	1.1	2.2	1.0	.5
1988	2.9	-1.0	1.2	-.8	4.2	-3.4	-.4	7	3	-2.3	-1.4	2.3
1989	-.7	7	7	1.5	-.5	-1.9	-.4	-2.8	-.7	-6	6	-3.3
1990	1	-.4	-1.8	-.3	2	-1.0	-2.0	1.0	6	-.2	1.6	3.5
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	3 309	3 463	3 457	3 478	3 518	3 427	3 370	3 321	3 217	3 196	3 191	3 248
1983	3 271	3 479	3 463	3 505	3 497	3 376	3 446	3 331	3 220	3 271	3 283	3 363
1984	3 387	3 510	3 629	3 707	3 732	3 705	3 659	3 584	3 506	3 455	3 515	3 593
1985	3 706	3 873	3 979	3 948	3 932	3 943	3 852	3 665	3 554	3 439	3 540	3 600
1986	3 588	3 730	3 783	3 791	3 855	3 799	3 722	3 732	3 530	3 484	3 592	3 667
1987	3 823	3 836	3 933	3 935	3 992	3 887	3 799	3 765	3 655	3 591	3 636	3 652
1988	3 682	3 778	3 792	3 829	3 889	3 759	3 776	3 725	3 712	3 793	3 818	3 892
1989	3 972	4 101	4 142	4 195	4 330	4 207	4 262	4 156	4 080	4 092	4 008	4 076
1990	4 112	4 277	4 314	4 368	4 304	4 260	4 291	4 235	4 214	4 278	4 357	4 434
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	3 344	3 334	3 311	3 299	3 347	3 345	3 343	3 372	3 376	3 383	3 360	3 355
1983	3 315	3 365	3 319	3 339	3 333	3 294	3 417	3 380	3 371	3 452	3 442	3 465
1984	3 436	3 415	3 486	3 543	3 561	3 614	3 626	3 637	3 662	3 639	3 672	3 692
1985	3 760	3 785	3 829	3 784	3 755	3 844	3 815	3 719	3 706	3 618	3 685	3 691
1986	3 638	3 654	3 646	3 645	3 682	3 709	3 688	3 786	3 672	3 661	3 728	3 754
1987	3 872	3 758	3 799	3 794	3 814	3 807	3 768	3 819	3 794	3 764	3 763	3 732
1988	3 723	3 701	3 672	3 702	3 717	3 697	3 746	3 777	3 847	3 963	3 947	3 971
1989	4 010	4 018	4 022	4 058	4 148	4 155	4 226	4 209	4 221	4 262	4 140	4 164
1990	4 149	4 191	4 193	4 228	4 127	4 214	4 251	4 291	4 351	4 451	4 501	4 527
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-3	-.7	-.4	1.5	-.1	-.1	9	1	2	-.7	-.1
1983	-1.2	1.5	-1.4	.6	-.2	-1.2	3.7	-1.1	-3	2.4	-.3	.7
1984	-.8	-.6	2.1	1.6	.5	1.5	3	-.3	7	-.6	.9	.5
1985	1.8	7	1.2	-1.2	-.8	2.4	-.8	-2.5	-3	-2.4	1.9	.2
1986	-1.4	4	-.2	-.1	1.0	7	-.6	2.7	-3.0	-.8	1.8	.7
1987	3.1	-2.9	1.1	-.1	.5	-.2	1.4	1.4	-.7	-.8	-.1	-.8
1988	-.2	-.6	-.8	-.8	4	-.5	1.3	8	1.9	3.0	-.4	.6
1989	1.0	2	1	.9	2.2	2	1.7	-.4	3	1.0	-2.9	.6
1990	-.4	1.0	-.1	8	-2.4	2.1	9	9	1.4	2.3	1.1	.6

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PRIMARY METALS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	28 427	28 362	27 969	27 448	27 143	26 589	26 431	25 992	25 485	25 227	24 705	23 897
1983 ---	23 498	23 380	22 740	23 207	23 183	22 756	22 705	22 578	22 310	22 321	22 523	22 035
1984 ---	21 976	22 266	22 474	22 964	23 486	23 399	23 498	23 524	23 419	22 952	22 667	22 184
1985 ---	21 559	21 267	21 431	21 366	21 287	21 145	20 960	20 751	20 606	20 311	20 215	19 807
1986 ---	19 693	19 647	19 438	19 484	19 523	19 375	19 310	18 752	18 320	18 000	18 118	18 334
1987 ---	18 225	17 860	17 716	17 924	17 858	17 763	17 881	17 997	18 214	18 398	18 766	18 978
1988 ---	19 476	19 846	19 955	20 252	20 501	20 307	20 646	20 947	21 335	21 645	21 929	22 270
1989 ---	22 814	22 970	22 895	23 312	23 637	23 405	23 592	23 281	23 080	22 785	22 808	22 547
1990 ---	22 725	22 769	22 196	22 500	22 603	22 653	23 004	23 257	23 547	23 478	23 485	23 542
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	28 822	28 619	28 125	27 397	26 862	26 474	26 128	25 797	25 490	25 219	24 697	24 174
1983 ---	23 798	23 574	22 843	23 132	22 928	22 636	22 474	22 431	22 300	22 333	22 542	22 311
1984 ---	22 232	22 436	22 585	22 870	23 228	23 256	23 286	23 383	23 392	22 981	22 691	22 448
1985 ---	21 766	21 401	21 536	21 265	21 061	21 022	20 810	20 663	20 595	20 366	20 254	20 027
1986 ---	19 799	19 722	19 527	19 387	19 335	19 289	19 216	18 718	18 336	18 090	18 170	18 498
1987 ---	18 231	17 868	17 774	17 823	17 693	17 722	17 826	18 007	18 249	18 506	18 834	19 124
1988 ---	19 399	19 805	20 024	20 158	20 330	20 310	20 604	20 980	21 380	21 775	21 993	22 391
1989 ---	22 670	22 889	22 991	23 229	23 454	23 453	23 556	23 323	23 122	22 916	22 867	22 663
1990 ---	22 547	22 681	22 297	22 431	22 435	22 723	22 974	23 301	23 584	23 612	23 544	23 651
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	- 7	-1.7	-2.6	-2.0	-1.4	-1.3	-1.3	-1.2	-1.1	-2.1	-2.1
1983 ---	-1.6	- 9	-3.1	1.3	- 9	-1.3	- 7	- 2	- 6	- 1	9	-1.0
1984 ---	- 4	- 9	- 7	1.3	1.6	- 1	1	4	-	-1.8	-1.3	-1.1
1985 ---	-3.0	-1.7	- 6	-1.3	-1.0	- 2	-1.0	- 7	- 3	-1.1	- 5	-1.1
1986 ---	-1.1	- 4	-1.0	- 7	- 3	- 2	- 4	-2.6	-2.0	-1.3	4	1.8
1987 ---	-1.4	-2.0	- 5	3	- 7	2	6	1.0	1.3	1.4	1.8	1.5
1988 ---	1.4	2.1	1.1	7	9	- 1	1.4	1.8	1.9	1.8	1.0	1.8
1989 ---	1.2	1.0	4	1.0	1.0	-	4	-1.0	- 9	- 9	- 2	- 9
1990 ---	- 5	6	-1.7	6	-	1.3	1.1	1.4	1.2	1	- 3	5
<b>PRIMARY METALS INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	10 263	10 056	9 811	9 589	9 536	9 475	9 366	9 229	9 059	8 843	8 705	8 663
1983 ---	8 383	8 132	7 770	7 756	7 732	7 723	7 735	7 716	7 678	7 749	7 936	8 056
1984 ---	7 732	7 574	7 521	7 458	7 644	7 803	7 982	8 169	8 286	8 280	8 131	7 768
1985 ---	7 378	7 073	6 734	6 693	6 794	6 859	6 837	6 894	6 868	6 952	6 798	6 634
1986 ---	6 448	6 287	5 952	5 968	5 994	6 041	6 185	5 946	5 951	6 020	6 081	6 171
1987 ---	6 039	5 778	5 550	5 572	5 424	5 518	5 620	5 671	5 728	5 861	6 039	6 250
1988 ---	6 265	6 230	6 252	6 298	6 407	6 576	6 769	6 903	7 030	7 068	7 182	7 503
1989 ---	7 413	7 285	7 082	7 187	7 252	7 374	7 460	7 645	7 662	7 552	7 566	7 631
1990 ---	7 531	7 293	6 992	7 048	7 110	7 176	7 422	7 451	7 485	7 617	7 530	7 651
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	10 170	10 151	10 085	9 930	9 777	9 577	9 332	9 145	8 956	8 647	8 438	8 470
1983 ---	8 294	8 209	8 015	8 049	7 936	7 812	7 720	7 650	7 576	7 562	7 686	7 861
1984 ---	7 645	7 656	7 789	7 745	7 852	7 890	7 977	8 095	8 171	8 021	7 867	7 550
1985 ---	7 288	7 158	6 998	6 961	6 990	6 945	6 837	6 828	6 765	6 772	6 577	6 426
1986 ---	6 349	6 364	6 195	6 205	6 183	6 124	6 191	5 892	5 864	5 887	5 902	5 963
1987 ---	5 926	5 837	5 768	5 773	5 591	5 597	5 626	5 624	5 645	5 751	5 885	6 028
1988 ---	6 126	6 288	6 492	6 514	6 600	6 678	6 771	6 845	6 933	6 962	7 023	7 223
1989 ---	7 234	7 348	7 351	7 431	7 471	7 501	7 455	7 575	7 554	7 452	7 415	7 345
1990 ---	7 341	7 357	7 249	7 286	7 324	7 308	7 417	7 374	7 371	7 520	7 384	7 353
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	- 2	- 7	-1.5	-1.5	-2.0	-2.6	-2.0	-2.1	-3.5	-2.4	4
1983 ---	-2.1	-1.0	-2.4	4	-1.4	-1.6	-1.2	- 9	-1.0	- 2	1.6	2.3
1984 ---	-2.7	1	1.7	- 6	1.4	5	1.1	1.5	9	-1.8	-1.9	-4.0
1985 ---	-3.5	-1.8	-2.2	- 5	4	- 6	-1.6	- 1	- 9	1	-2.9	-2.3
1986 ---	-1.2	2	-2.7	2	- 4	-1.0	1.1	-4.8	- 5	4	3	1.0
1987 ---	- 6	-1.5	-1.2	1	-3.2	1	5	-	4	1.9	2.3	2.4
1988 ---	1.6	2.6	3.2	3	1.3	1.2	1.4	1.1	1.3	4	9	2.8
1989 ---	2	1.6	-	1.1	5	4	- 6	1.6	- 3	-1.4	- 5	- 9
1990 ---	- 1	2	-1.5	5	5	- 2	1.5	- 6	-	2.0	-1.8	-4

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PRIMARY METALS INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	10 404	10 300	10 077	9 902	9 777	9 539	9 493	9 437	9 242	9 253	8 972	8 380
1983 ---	8 401	8 374	8 152	8 230	8 211	8 037	8 293	8 327	8 238	8 325	8 142	8 054
1984 ---	8 169	8 347	8 486	8 874	9 046	8 969	9 049	8 970	8 706	8 463	8 331	8 093
1985 ---	7 901	7 947	8 327	8 208	8 054	7 891	7 861	7 666	7 568	7 345	7 189	7 133
1986 ---	7 200	7 181	7 351	7 234	7 246	7 162	7 200	7 227	7 053	6 866	6 905	6 942
1987 ---	6 972	7 039	7 083	7 044	7 161	7 117	7 158	7 202	7 310	7 397	7 494	7 677
1988 ---	7 993	8 141	8 133	8 343	8 387	8 273	8 344	8 511	8 706	8 854	8 956	8 930
1989 ---	9 272	9 372	9 680	9 896	9 962	9 710	9 802	9 560	9 406	9 345	9 246	9 061
1990 ---	9 089	9 125	8 993	9 027	8 946	9 018	9 161	9 356	9 475	9 244	9 219	9 230
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	10 664	10 485	10 139	9 816	9 577	9 463	9 257	9 209	9 187	9 288	9 087	8 678
1983 ---	8 584	8 500	8 157	8 140	8 054	7 982	8 110	8 155	8 201	8 371	8 272	8 347
1984 ---	8 330	8 445	8 448	8 749	8 875	8 908	8 876	8 823	8 677	8 522	8 488	8 365
1985 ---	8 033	8 020	8 258	8 081	7 910	7 845	7 744	7 571	7 555	7 401	7 326	7 349
1986 ---	7 285	7 227	7 262	7 119	7 126	7 137	7 128	7 180	7 061	6 927	7 040	7 123
1987 ---	7 019	7 057	6 972	6 919	7 041	7 105	7 120	7 187	7 333	7 461	7 623	7 855
1988 ---	8 013	8 142	8 003	8 203	8 252	8 274	8 322	8 519	8 746	8 928	9 085	9 110
1989 ---	9 273	9 360	9 544	9 740	9 816	9 790	9 577	9 450	9 450	9 420	9 358	9 242
1990 ---	9 074	9 113	8 874	8 885	8 821	9 047	9 152	9 376	9 516	9 309	9 317	9 401
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.7	-3.3	-3.2	-2.4	-1.2	-2.2	-5	-2	1.1	-2.2	-4.5
1983 ---	-1.1	-1.0	-4.0	-2	-1.1	-9	1.6	6	6	2.1	-1.2	.9
1984 ---	-2	1.4	-	3.6	1.4	.4	-4	-6	-1.7	-1.8	-4	-1.4
1985 ---	-4.0	-2	3.0	-2.1	-2.1	-8	-1.3	-2.2	-2	-2.0	-1.0	.3
1986 ---	-9	-8	5	-2.0	.1	.2	-1	.7	-1.7	-1.9	1.6	1.2
1987 ---	-1.5	5	-1.2	-8	1.8	.9	2	9	2.0	1.7	2.2	3.0
1988 ---	2.0	1.6	-1.7	2.5	.6	.3	6	2.4	2.7	2.1	1.8	.3
1989 ---	1.8	.9	2.0	2.1	8	-9	6	-2.2	-1.3	-3	-7	-1.2
1990 ---	-1.8	.4	-2.6	.1	-7	2.6	1.2	2.4	1.5	-2.2	.1	.9
<b>PRIMARY METALS INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 760	8 006	8 081	7 957	7 830	7 575	7 572	7 326	7 184	7 131	7 028	6 854
1983 ---	6 714	6 874	6 818	7 221	7 240	6 996	6 677	6 535	6 394	6 247	6 445	5 925
1984 ---	6 075	6 345	6 467	6 632	6 796	6 627	6 467	6 385	6 427	6 259	6 205	6 323
1985 ---	6 280	6 247	6 370	6 465	6 439	6 395	6 262	6 191	6 170	6 014	6 228	6 040
1986 ---	6 045	6 179	6 135	6 282	6 283	6 172	5 925	5 579	5 316	5 114	5 132	5 221
1987 ---	5 214	5 043	5 083	5 308	5 273	5 128	5 103	5 124	5 176	5 140	5 233	5 051
1988 ---	5 218	5 475	5 570	5 611	5 707	5 458	5 533	5 599	5 723	5 723	5 791	5 837
1989 ---	6 129	6 313	6 133	6 229	6 423	6 321	6 330	6 076	6 012	5 888	5 996	5 855
1990 ---	6 105	6 351	6 211	6 425	6 547	6 459	6 421	6 450	6 587	6 617	6 736	6 661
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 988	7 983	7 901	7 651	7 508	7 434	7 539	7 443	7 347	7 284	7 172	7 026
1983 ---	6 920	6 865	6 671	6 943	6 938	6 842	6 644	6 626	6 523	6 400	6 584	6 103
1984 ---	6 257	6 335	6 348	6 376	6 501	6 458	6 433	6 465	6 544	6 438	6 336	6 533
1985 ---	6 445	6 223	6 280	6 223	6 161	6 232	6 229	6 264	6 275	6 193	6 351	6 252
1986 ---	6 165	6 131	6 070	6 063	6 026	5 897	5 646	5 411	5 276	5 276	5 228	5 412
1987 ---	5 286	4 974	5 034	5 131	5 061	5 020	5 080	5 196	5 271	5 294	5 326	5 241
1988 ---	5 260	5 375	5 529	5 441	5 478	5 358	5 511	5 616	5 701	5 885	5 885	6 058
1989 ---	6 163	6 181	6 096	6 058	6 167	6 223	6 311	6 171	6 118	6 044	6 094	6 076
1990 ---	6 132	6 211	6 174	6 260	6 290	6 368	6 405	6 551	6 697	6 783	6 843	6 897
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-1.0	-3.2	-1.9	-1.0	1.4	-1.3	-1.3	-9	-1.5	-2.0
1983 ---	-1.5	-8	-2.8	4.1	-1	-1.4	-2.9	-3	-1.6	-1.9	2.9	-7.3
1984 ---	2.5	1.2	2	4	2.0	-7	-4	5	1.2	-1.6	-1.6	3.1
1985 ---	-1.3	-3.4	9	-9	-1.0	1.2	-	6	2	-1.3	2.6	-1.6
1986 ---	-1.4	-6	-1.0	-1	-6	-	-2.2	-4.3	-4.2	-2.5	-9	3.5
1987 ---	-2.3	-5.9	1.2	1.9	-1.4	-8	1.2	2.3	1.4	4	6	-1.6
1988 ---	.4	2.2	2.9	-1.6	.7	-2.2	2.9	1.9	1.5	3.2	-	2.9
1989 ---	1.7	.3	-1.4	-6	1.8	.9	1.4	-2.2	-9	-1.2	8	-3
1990 ---	9	1.3	-6	1.4	.5	1.2	6	2.3	2.2	1.3	9	8

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>FABRICATED METAL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	23 835	24 076	24 067	24 023	23 955	23 780	23 188	22 934	22 518	22 120	21 339	21 098
1983 ---	21 133	21 295	21 255	21 421	21 483	21 538	21 453	21 539	21 232	21 030	21 196	21 416
1984 ---	21 758	22 174	22 419	22 581	22 752	23 092	22 657	22 645	22 721	22 867	22 993	22 955
1985 ---	23 038	23 165	23 396	23 305	22 991	23 115	22 344	22 311	22 229	22 715	22 470	22 541
1986 ---	22 577	22 677	22 758	23 033	22 909	22 936	22 507	22 299	22 113	21 920	21 691	21 754
1987 ---	22 056	22 221	22 533	22 485	22 432	22 405	22 229	22 165	22 311	22 404	22 433	22 555
1988 ---	23 135	23 501	23 514	23 961	24 031	23 866	23 685	24 022	24 278	24 223	24 354	24 381
1989 ---	25 031	25 088	25 492	25 552	25 513	25 178	25 369	25 322	25 012	24 817	24 758	24 209
1990 ---	25 261	25 265	25 135	25 204	25 054	24 700	24 640	24 648	24 452	24 699	24 592	24 190
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 909	23 825	23 661	23 591	23 520	23 355	23 100	23 058	22 969	22 558	21 852	21 440
1983 ---	21 199	21 085	20 918	21 042	21 101	21 139	21 388	21 655	21 552	21 352	21 631	21 753
1984 ---	21 834	22 016	22 122	22 237	22 419	22 693	22 614	22 733	22 996	23 155	23 388	23 328
1985 ---	23 111	23 037	23 103	22 952	22 658	22 713	22 320	22 449	22 499	23 006	22 807	22 901
1986 ---	22 617	22 595	22 496	22 698	22 596	22 595	22 503	22 432	22 347	22 167	21 983	22 109
1987 ---	22 069	22 157	22 296	22 169	22 143	22 142	22 245	22 297	22 520	22 635	22 704	22 920
1988 ---	23 115	23 444	23 270	23 621	23 720	23 652	23 712	24 136	24 476	24 444	24 620	24 781
1989 ---	24 981	25 021	25 215	25 176	25 184	25 010	25 411	25 443	25 230	25 035	25 030	24 600
1990 ---	25 195	25 199	24 879	24 840	24 736	24 546	24 683	24 759	24 653	24 904	24 863	24 585
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-4	-7	-3	-3	-7	-1.1	-2	-4	-1.8	-3.1	-1.9
1983 ---	-1.1	-5	-8	6	3	2	1.2	1.2	-5	-9	1.3	6
1984 ---	4	8	5	5	8	1.2	-3	5	1.2	7	1.0	-3
1985 ---	-9	-3	3	-7	-1.3	2	-1.7	6	2	2.3	-9	4
1986 ---	-1.2	-1	-4	9	-4	-	-4	-3	-4	-8	-8	6
1987 ---	-2	4	6	-6	-1	-	5	2	1.0	-1	3	1.0
1988 ---	9	1.4	-7	1.5	4	-3	3	1.8	1.4	-1	7	7
1989 ---	8	2	.8	-2	-	-7	1.6	.1	-8	-8	-	-1.7
1990 ---	2.4	-	-1.3	-2	-4	-8	6	.3	-4	1.0	-2	-1.1
<b>FABRICATED METAL PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	8 970	8 736	8 772	8 680	8 577	8 442	8 375	8 275	8 229	8 135	7 804	7 830
1983 ---	7 844	7 811	7 690	7 794	7 836	7 746	7 858	8 028	8 015	7 919	7 897	8 063
1984 ---	8 126	8 237	8 300	8 401	8 434	8 551	8 651	8 634	8 652	8 616	8 617	8 665
1985 ---	8 475	8 366	8 466	8 476	8 224	8 264	8 149	8 317	8 264	8 424	8 164	8 318
1986 ---	8 234	8 183	8 194	8 148	8 149	8 360	8 271	8 083	7 962	7 779	7 761	7 851
1987 ---	7 910	7 825	7 824	7 883	7 837	7 906	7 893	7 868	8 048	7 969	7 925	8 390
1988 ---	8 557	8 575	8 528	8 687	8 694	8 817	8 888	9 113	8 984	8 851	9 006	9 142
1989 ---	9 492	9 464	9 622	9 449	9 398	9 345	9 581	9 667	9 519	9 398	9 310	9 282
1990 ---	9 436	9 239	9 092	9 006	8 920	8 803	8 912	8 876	8 760	8 749	8 538	8 514
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 965	8 668	8 697	8 626	8 548	8 438	8 311	8 262	8 257	8 221	7 966	7 844
1983 ---	7 832	7 757	7 645	7 744	7 815	7 737	7 792	8 009	8 019	7 984	8 031	8 069
1984 ---	8 105	8 208	8 283	8 365	8 437	8 545	8 578	8 593	8 643	8 687	8 740	8 669
1985 ---	8 437	8 357	8 460	8 446	8 235	8 249	8 071	8 281	8 263	8 522	8 267	8 315
1986 ---	8 176	8 189	8 193	8 131	8 175	8 343	8 193	8 038	7 956	7 880	7 855	7 844
1987 ---	7 838	7 833	7 823	7 880	7 875	7 892	7 821	7 824	8 044	8 076	8 017	8 386
1988 ---	8 463	8 583	8 521	8 686	8 731	8 801	8 816	9 063	8 979	8 959	9 113	9 141
1989 ---	9 371	9 467	9 602	9 448	9 437	9 339	9 512	9 622	9 526	9 499	9 428	9 284
1990 ---	9 299	9 241	9 079	9 012	8 964	8 803	8 851	8 830	8 762	8 835	8 649	8 513
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3.3	.3	-8	-9	-1.3	-1.5	-6	-1	-4	-3.1	-1.5
1983 ---	-2	-1.0	-1.4	1.3	9	-1.0	.7	2.8	.1	-4	6	.5
1984 ---	4	1.3	9	1.0	9	1.3	4	2	6	5	6	-8
1985 ---	-2.7	-9	1.2	-2	-2.5	2	-2.2	2.6	-2	3.1	-3.0	6
1986 ---	-1.7	.2	-	-8	5	2.1	-1.8	-1.9	-1.0	-1.0	-3	-1
1987 ---	-1	-1	-1	7	-1	2	-9	-	2.8	4	-7	4.6
1988 ---	9	1.4	-7	1.9	5	8	2	2.8	-9	-2	1.7	3
1989 ---	2.5	1.0	1.4	-1.6	-1	-1.0	1.9	1.2	-1.0	-3	-7	-1.5
1990 ---	2	-6	-1.8	-7	-5	-1.8	5	-2	-8	8	-2.1	-1.6

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>FABRICATED METAL PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	8 187	8 443	8 483	8 416	8 360	8 286	8 066	7 913	7 775	7 556	7 185	7 023
1983 ---	7 123	7 218	7 312	7 315	7 398	7 422	7 363	7 417	7 371	7 194	7 164	7 103
1984 ---	7 268	7 414	7 633	7 689	7 810	7 921	7 853	7 757	7 873	7 931	7 942	7 610
1985 ---	7 792	7 825	7 958	7 814	7 782	7 804	7 715	7 590	7 699	7 904	7 921	7 597
1986 ---	7 591	7 724	7 795	8 017	7 970	7 891	7 826	7 771	7 848	7 742	7 629	7 508
1987 ---	7 671	7 903	8 081	8 005	7 937	7 819	7 634	7 711	7 874	7 991	8 016	7 728
1988 ---	7 900	8 146	8 160	8 322	8 383	8 078	8 024	8 162	8 388	8 556	8 415	8 290
1989 ---	8 301	8 403	8 505	8 668	8 573	8 274	8 351	8 295	8 261	8 274	8 362	7 916
1990 ---	8 354	8 390	8 384	8 538	8 467	8 230	8 204	8 381	8 331	8 393	8 541	8 466
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 280	8 422	8 305	8 249	8 176	8 109	7 960	7 923	7 861	7 635	7 397	7 291
1983 ---	7 217	7 214	7 160	7 177	7 234	7 272	7 270	7 440	7 404	7 229	7 328	7 375
1984 ---	7 384	7 428	7 492	7 562	7 659	7 780	7 780	7 782	7 871	7 937	8 068	7 905
1985 ---	7 933	7 841	7 823	7 682	7 632	7 685	7 675	7 646	7 690	7 893	8 004	7 877
1986 ---	7 729	7 739	7 674	7 873	7 818	7 811	7 827	7 844	7 835	7 703	7 672	7 766
1987 ---	7 802	7 909	7 971	7 847	7 787	7 791	7 675	7 791	7 862	7 940	8 036	7 969
1988 ---	8 018	8 143	8 053	8 137	8 219	8 092	8 108	8 243	8 378	8 495	8 413	8 527
1989 ---	8 409	8 393	8 395	8 458	8 401	8 324	8 468	8 376	8 260	8 213	8 354	8 124
1990 ---	8 450	8 381	8 286	8 332	8 302	8 292	8 329	8 457	8 328	8 324	8 530	8 673
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.7	-1.4	-7	-9	-8	-1.8	-5	-8	-2.9	-3.1	-1.4
1983 ---	-1.0	-	-7	2	8	5	-	2.3	-5	-2.4	1.4	6
1984 ---	1	6	9	9	13	16	-	-	1.1	8	1.7	-2.0
1985 ---	4	-1.2	-2	-1.8	-7	7	-1	-4	6	2.6	1.4	-1.6
1986 ---	-1.9	1	-8	2.6	-7	-1	2	2	-1	-1.7	-4	1.2
1987 ---	5	1.4	8	-1.6	-8	1	-1.5	1.5	9	1.0	1.2	-8
1988 ---	6	1.6	-1.1	1.0	1.0	-1.5	2	1.7	1.6	1.4	-1.0	1.4
1989 ---	-1.4	-2	-	8	-7	-9	1.7	-1.1	-1.4	-6	1.7	-2.8
1990 ---	4.0	-8	-1.1	6	-4	-1	4	1.5	-1.5	-	2.5	1.7
<b>FABRICATED METAL PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	6 678	6 897	6 812	6 927	7 018	7 052	6 747	6 746	6 514	6 429	6 350	6 245
1983 ---	6 166	6 266	6 253	6 312	6 249	6 370	6 232	6 094	5 846	5 917	6 135	6 250
1984 ---	6 364	6 523	6 486	6 491	6 508	6 620	6 153	6 254	6 196	6 320	6 434	6 680
1985 ---	6 771	6 974	6 972	7 015	6 985	7 047	6 480	6 404	6 266	6 387	6 385	6 626
1986 ---	6 752	6 770	6 769	6 868	6 790	6 685	6 410	6 445	6 303	6 399	6 301	6 395
1987 ---	6 475	6 493	6 628	6 597	6 658	6 680	6 702	6 586	6 389	6 444	6 492	6 437
1988 ---	6 678	6 780	6 826	6 952	6 954	6 971	6 773	6 747	6 906	6 816	6 933	6 949
1989 ---	7 238	7 221	7 365	7 435	7 542	7 559	7 437	7 360	7 232	7 145	7 086	7 011
1990 ---	7 471	7 636	7 659	7 660	7 667	7 667	7 524	7 391	7 361	7 557	7 513	7 210
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 664	6 735	6 659	6 716	6 796	6 808	6 829	6 873	6 851	6 702	6 489	6 305
1983 ---	6 150	6 114	6 113	6 121	6 052	6 130	6 326	6 206	6 129	6 139	6 272	6 309
1984 ---	6 345	6 380	6 347	6 310	6 323	6 368	6 256	6 358	6 482	6 531	6 580	6 754
1985 ---	6 741	6 839	6 820	6 824	6 791	6 779	6 574	6 522	6 546	6 591	6 536	6 709
1986 ---	6 712	6 667	6 629	6 694	6 603	6 441	6 483	6 550	6 556	6 584	6 456	6 499
1987 ---	6 429	6 415	6 502	6 442	6 481	6 459	6 749	6 682	6 614	6 617	6 651	6 565
1988 ---	6 634	6 718	6 696	6 798	6 770	6 759	6 788	6 830	7 119	6 990	7 094	7 113
1989 ---	7 201	7 161	7 218	7 270	7 346	7 347	7 431	7 445	7 444	7 323	7 248	7 192
1990 ---	7 446	7 577	7 514	7 496	7 470	7 451	7 503	7 472	7 563	7 745	7 684	7 399
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.1	-1.1	.9	1.2	2	.3	6	-3	-2.2	-3.2	-2.8
1983 ---	-2.5	-6	-	.1	-1.1	1.3	3.2	-1.9	-1.2	2	2.2	6
1984 ---	6	6	-5	-6	2	7	-1.8	1.6	2.0	8	8	2.6
1985 ---	-2	1.5	-3	1	-5	-2	-3.0	-8	4	7	-8	2.6
1986 ---	-	-7	-6	1.0	-1.4	-2.5	7	1.0	1	4	-1.9	7
1987 ---	-1.1	-2	1.4	-9	6	-3	4.5	-1.0	-1.0	-	5	-1.3
1988 ---	1.1	1.3	-3	1.5	-4	-2	4	6	4.2	-1.8	1.5	3
1989 ---	1.2	-6	8	7	1.0	-	1.1	2	-	-1.6	-1.0	-8
1990 ---	3.5	1.8	-8	-2	-3	-3	7	-4	1.2	2.4	-8	-3.7

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	50 134	50 797	50 793	51 387	51 574	50 914	50 546	50 005	49 086	49 152	48 252	47 024
1983 ---	46 787	47 090	46 411	46 330	46 400	45 734	44 947	44 773	44 407	44 314	44 438	43 710
1984 ---	44 256	44 995	45 215	46 120	46 630	46 611	47 015	48 060	47 666	48 267	48 483	47 602
1985 ---	48 952	49 559	49 099	49 477	49 369	48 654	48 434	48 220	47 378	46 983	46 479	45 619
1986 ---	45 876	46 022	45 600	45 233	45 130	44 000	43 783	43 577	43 120	43 035	42 992	41 590
1987 ---	41 891	42 375	42 115	42 621	42 712	42 195	42 199	42 457	41 667	42 267	42 611	42 279
1988 ---	43 136	44 001	44 121	44 580	45 106	44 948	45 529	46 110	46 150	46 523	46 949	46 515
1989 ---	47 994	48 505	48 273	48 477	48 767	48 455	48 936	49 224	48 666	48 978	49 160	47 604
1990 ---	48 677	49 295	48 386	48 875	49 183	48 039	48 377	48 548	48 109	48 360	48 498	46 726
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	50 256	50 208	50 205	50 585	50 695	50 540	50 545	50 162	49 654	49 822	48 810	47 885
1983 ---	46 959	46 594	45 982	45 688	45 662	45 501	44 946	44 805	44 821	44 749	44 865	44 555
1984 ---	44 459	44 540	44 879	45 556	45 951	46 448	47 001	47 998	48 059	48 592	48 832	48 724
1985 ---	49 204	49 131	48 823	48 934	48 732	48 588	48 409	48 099	47 742	47 201	46 696	46 481
1986 ---	46 066	45 641	45 413	44 798	44 632	43 976	43 747	43 439	43 450	43 206	43 129	42 379
1987 ---	42 023	42 029	41 968	42 255	42 280	42 202	42 134	42 298	41 989	42 393	42 693	43 110
1988 ---	43 253	43 629	43 995	44 218	44 668	44 965	45 456	45 920	46 524	46 631	46 999	47 435
1989 ---	48 117	48 087	48 165	48 127	48 302	48 490	48 846	48 990	49 047	49 057	49 178	48 557
1990 ---	48 784	48 882	48 315	48 556	48 731	48 078	48 289	48 294	48 457	48 409	48 499	47 724
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-	8	2	-3	-	-8	-1.0	3	-2.0	-1.9
1983 ---	-1.9	-8	-1.3	-6	-1	-4	-1.2	-3	-	-2	3	-7
1984 ---	-2	1	8	15	9	1.1	1.2	2.1	1	1.1	5	-2
1985 ---	1.0	-1	-6	2	-4	-3	-	-6	-7	-1.1	-1.1	-5
1986 ---	-9	-9	-5	-14	-4	-15	-5	-7	-	-6	-2	-10
1987 ---	-8	-	-1	7	1	-2	-2	4	-7	1.0	8	9
1988 ---	3	9	8	5	1.0	7	1.1	10	13	2	8	9
1989 ---	1.4	-1	2	-1	4	4	7	3	1	-	2	-1.3
1990 ---	.5	2	-1.2	5	4	-1.3	4	-	3	-1	2	-1.6
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	14 123	14 302	14 063	14 053	13 978	13 833	13 747	13 593	13 217	13 482	13 226	12 967
1983 ---	12 852	12 843	12 761	12 880	12 957	12 738	12 573	12 420	12 323	12 322	12 495	12 300
1984 ---	12 590	12 699	12 844	13 046	13 295	13 102	13 751	13 831	13 924	13 528	13 322	13 488
1985 ---	13 650	13 551	13 481	13 635	13 513	13 477	13 428	13 351	12 881	12 914	12 767	12 576
1986 ---	12 389	12 295	11 786	11 968	11 770	11 782	11 681	11 747	11 770	11 548	11 551	11 526
1987 ---	11 601	11 529	11 420	11 672	11 603	11 714	11 709	11 692	11 662	11 874	12 008	12 129
1988 ---	12 210	12 398	12 497	12 709	12 794	12 818	13 295	13 537	13 760	13 961	13 689	13 586
1989 ---	14 160	14 150	14 151	14 003	13 919	13 821	14 033	14 011	13 945	14 179	13 892	13 337
1990 ---	13 737	13 631	13 227	13 218	13 188	13 176	13 204	13 168	13 120	13 256	13 265	13 056
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 128	14 270	13 981	13 885	13 849	13 783	13 682	13 635	13 372	13 565	13 346	13 043
1983 ---	12 849	12 822	12 724	12 754	12 843	12 707	12 508	12 418	12 412	12 393	12 617	12 390
1984 ---	12 578	12 670	12 843	12 939	13 193	13 082	13 666	13 790	13 997	13 597	13 448	13 578
1985 ---	13 626	13 519	13 519	13 547	13 460	13 483	13 345	13 287	12 914	12 961	12 870	12 645
1986 ---	12 346	12 257	11 844	11 909	11 773	11 803	11 616	11 678	11 785	11 570	11 621	11 593
1987 ---	11 550	11 492	11 479	11 638	11 640	11 740	11 645	11 616	11 665	11 871	12 065	12 220
1988 ---	12 146	12 352	12 556	12 689	12 853	12 849	13 230	13 444	13 761	13 923	13 737	13 713
1989 ---	14 078	14 094	14 207	14 007	13 993	13 864	13 965	13 916	13 937	14 113	13 932	13 478
1990 ---	13 632	13 575	13 275	13 240	13 270	13 227	13 143	13 072	13 109	13 171	13 295	13 226
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.0	-2.0	-7	-3	-5	-7	-3	-1.9	1.4	-1.6	-2.3
1983 ---	-1.5	-2	-8	2	7	-1.1	-1.6	-7	-	-2	1.8	-1.8
1984 ---	1.5	.7	1.4	7	2.0	-8	4.5	9	1.5	-2.9	-1.1	1.0
1985 ---	.4	-8	-	2	-6	2	-1.0	-4	-2.8	4	-7	-1.7
1986 ---	-2.4	-7	-3.4	5	-1.1	9	-1.6	5	9	-1.8	4	-2
1987 ---	-4	-5	-1	1.4	1.3	-	8	-2	4	1.8	1.6	1.3
1988 ---	-6	1.7	1.7	1.1	1.3	-	3.0	1.6	2.4	1.2	-1.3	-2
1989 ---	2.7	1	8	-1.4	-1	-9	7	-4	2	1.3	-1.3	-3.3
1990 ---	1.1	-4	-2.2	-3	2	-3	-6	-5	3	5	9	-5

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	21 378	21 266	21 095	21 280	21 115	20 758	20 473	20 336	19 951	20 010	19 634	18 870
1983	19 001	19 323	18 838	18 686	18 695	16 222	17 842	17 951	17 950	16 178	18 038	17 724
1984	17 897	18 295	18 772	19 193	19 335	19 497	19 298	20 070	19 714	20 265	20 401	19 924
1985	20 386	20 846	20 577	20 486	20 239	19 796	20 050	20 227	20 294	20 000	19 576	19 311
1986	19 839	19 754	19 709	19 537	19 145	18 694	18 522	18 832	18 415	18 420	18 197	17 347
1987	17 253	17 682	17 839	17 885	17 950	18 080	17 659	18 035	18 270	18 195	18 108	17 494
1988	17 509	18 385	18 579	18 516	18 895	18 924	18 779	19 108	19 310	19 100	19 669	19 068
1989	19 551	19 986	20 279	20 738	21 135	21 100	21 308	21 624	21 445	21 199	21 626	21 008
1990	21 607	21 506	21 332	21 568	21 787	20 920	21 323	21 491	21 942	21 877	21 942	20 787
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	21 329	20 904	20 796	20 995	20 820	20 837	20 718	20 359	20 132	20 102	19 740	19 271
1983	19 032	19 036	18 590	18 447	18 477	18 290	18 048	17 924	18 052	16 164	18 113	18 142
1984	18 003	18 056	18 535	18 970	19 154	19 537	19 468	19 997	19 762	20 218	20 448	20 428
1985	20 598	20 666	20 339	20 279	20 095	19 805	20 222	20 106	20 275	19 891	19 569	19 829
1986	20 094	19 647	19 519	19 380	19 023	18 673	18 636	18 686	18 341	18 328	18 160	17 842
1987	17 516	17 645	17 695	17 760	17 810	18 033	17 922	17 876	18 169	18 116	18 040	18 024
1988	18 125	18 384	18 472	18 389	18 700	18 854	18 806	18 938	19 170	19 033	19 573	19 653
1989	19 941	20 017	20 201	20 600	20 866	21 015	21 304	21 634	21 276	21 144	21 508	21 639
1990	22 035	21 550	21 285	21 460	21 496	20 831	21 300	21 296	21 753	21 836	21 816	21 431
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-2.0	-5	1.0	-8	-1	-6	-1.7	-1.1	-1	-1.8	-2.4
1983	-1.2	-	-2.3	-6	2	-1.0	-1.3	-7	7	-4	-1	-2
1984	-8	3	2.7	2.3	1.0	2.0	-3	2.6	-1.2	2.3	1.1	-1
1985	8	3	-1.6	-3	-9	-1.4	2.1	2.6	8	-1.9	-1.6	1.3
1986	1.3	-2.2	-7	-7	-1.8	-8	-1.3	-3	-1.9	-1	-9	-1.8
1987	-1.8	7	3	4	3	1.3	-6	-3	1.6	-3	-4	-1
1988	6	1.4	5	4	1.7	8	-3	7	12	-7	2.8	1.4
1989	1.5	4	9	2.0	1.3	7	1.4	1.5	-1.7	-6	1.7	6
1990	1.8	-2.2	-1.2	8	2	-3.1	2.3	-	2.1	4	-1	-1.8
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	14 633	15 229	15 635	16 054	16 481	16 323	16 326	16 076	15 918	15 660	15 392	15 187
1983	14 934	14 924	14 812	14 764	14 748	14 774	14 532	14 402	14 134	13 814	13 905	13 686
1984	13 769	14 001	13 599	13 881	14 000	14 012	13 966	14 159	14 028	14 454	14 760	14 390
1985	14 914	15 162	15 041	15 356	15 617	15 381	14 956	14 642	14 203	14 069	14 136	13 732
1986	13 646	13 973	14 105	13 728	14 215	13 324	13 580	12 998	12 935	13 067	13 244	12 717
1987	13 037	13 164	12 856	13 064	13 159	12 401	12 631	12 730	11 735	12 198	12 495	12 656
1988	13 117	13 218	13 045	13 355	13 417	13 206	13 455	13 465	13 080	13 462	13 591	13 861
1989	14 283	14 369	13 643	13 736	13 713	13 534	13 595	13 389	13 276	13 600	13 642	13 259
1990	13 333	14 158	13 627	14 069	14 208	13 943	13 850	13 889	13 047	13 227	13 291	12 883
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	14 799	15 034	15 428	15 705	16 026	15 920	16 145	16 168	16 150	16 155	15 724	15 571
1983	15 078	14 736	14 668	14 487	14 342	14 504	14 390	14 463	14 357	14 172	14 135	14 023
1984	13 876	13 814	13 500	13 647	13 604	13 829	13 847	14 211	14 300	14 777	14 936	14 718
1985	14 980	14 946	14 965	15 108	15 177	15 281	14 842	14 704	14 553	14 349	14 257	14 007
1986	13 626	13 737	14 050	13 509	13 836	13 300	13 495	13 073	13 324	13 308	13 348	12 944
1987	12 955	12 892	12 794	12 857	12 830	12 429	12 567	12 806	12 155	12 404	12 588	12 866
1988	12 982	12 893	12 967	13 140	13 115	13 262	13 420	13 538	13 593	13 675	13 689	14 069
1989	14 098	13 976	13 757	13 520	13 443	13 611	13 577	13 440	13 834	13 800	13 738	13 440
1990	13 117	13 757	13 755	13 856	13 965	14 020	13 846	13 926	13 595	13 402	13 386	13 067
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	1.6	2.6	1.8	2.0	-7	1.4	1	-1	-	-2.7	-1.0
1983	-3.2	-2.3	-5	-1.2	-1.0	1.1	-8	5	-7	-1.3	-3	-8
1984	-1.0	-5	-2.3	1.1	-3	1.7	1	2.6	6	3.3	1.1	-1.5
1985	1.8	-2	1	1.0	5	-7	-2.9	-9	-1.0	-1.4	-6	-1.8
1986	-2.7	8	2.3	-3.9	2.4	-3.9	1.5	-3.1	1.9	-1	3	-3.0
1987	1	-5	-6	5	-2	-3.1	1.1	1.9	-5.1	2.0	1.5	2.2
1988	9	-7	1.3	1.3	-2	1.1	1.2	9	4	6	-4	2.2
1989	2	-9	-1.6	-1.7	-6	1.2	-2	-1.0	2.9	-2	-4	-2.2
1990	-2.4	4.9	-	7	8	4	-1.2	6	-2.4	-1.4	-1	-2.4

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	25 661	25 887	26 042	26 227	26 232	26 043	25 678	25 534	25 074	25 065	24 948	24 502
1983 ---	24 608	24 660	24 712	25 080	25 416	25 658	25 367	25 604	25 461	25 728	25 778	26 277
1984 ---	26 354	27 158	27 783	28 513	29 131	29 457	29 771	30 330	30 440	31 058	31 079	30 871
1985 ---	31 407	31 732	31 918	32 236	32 532	32 513	32 211	31 996	31 347	30 878	30 158	29 791
1986 ---	29 831	29 832	29 932	30 274	30 400	30 358	30 130	29 926	29 410	29 180	28 610	27 920
1987 ---	28 293	28 578	28 830	29 214	29 577	29 483	29 326	29 313	29 116	29 262	29 220	29 087
1988 ---	29 343	29 756	29 918	30 237	30 565	30 558	30 515	30 732	30 432	30 635	30 948	30 733
1989 ---	31 098	31 711	31 516	32 024	32 074	31 496	31 619	31 752	31 011	31 137	30 817	30 360
1990 ---	30 832	31 148	31 114	31 423	31 592	31 145	31 175	31 059	30 533	30 459	30 242	29 347
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 966	25 883	25 858	25 769	25 616	25 576	25 495	25 471	25 340	25 319	25 394	25 085
1983 ---	24 911	24 690	24 577	24 691	24 889	25 227	25 175	25 476	25 645	25 910	26 165	26 903
1984 ---	26 702	27 261	27 703	28 136	28 564	28 975	29 498	30 112	30 588	31 227	31 529	31 612
1985 ---	31 870	31 914	31 899	31 869	31 929	32 002	31 880	31 724	31 444	30 994	30 568	30 517
1986 ---	30 292	30 020	29 948	29 940	29 821	29 871	29 824	29 668	29 511	29 304	29 027	28 607
1987 ---	28 714	28 725	28 816	28 865	28 987	29 037	29 050	29 071	29 234	29 392	29 628	29 816
1988 ---	29 759	29 867	29 891	29 871	29 954	30 136	30 273	30 515	30 579	30 765	31 331	31 490
1989 ---	31 504	31 786	31 472	31 622	31 421	31 092	31 400	31 548	31 207	31 293	31 190	31 130
1990 ---	31 229	31 205	31 065	31 022	30 939	30 750	30 975	30 856	30 720	30 607	30 584	30 067
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-1	-3	-6	-2	-3	-1	-5	-1	3	-12
1983 ---	-7	-9	-5	5	8	14	-2	12	7	10	10	28
1984 ---	-7	21	16	16	15	14	18	21	16	21	10	3
1985 ---	8	1	-1	-1	2	2	-4	-5	-9	-14	-14	-2
1986 ---	-7	-9	-2	-	-4	2	-2	-5	-5	-7	-9	-14
1987 ---	4	-	-3	2	4	2	-	-	6	5	8	6
1988 ---	-2	4	1	-1	3	6	5	8	2	6	18	5
1989 ---	-	9	-10	5	-6	-10	10	5	-11	3	-3	-2
1990 ---	3	-1	-4	-1	-3	-6	7	-4	-4	-4	-1	-17
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 504	7 378	7 298	7 506	7 293	7 152	7 222	7 040	6 873	6 865	6 818	6 753
1983 ---	6 786	6 748	6 713	6 761	6 861	6 966	6 924	7 051	7 094	7 149	7 192	7 463
1984 ---	7 502	7 710	7 780	8 037	8 137	8 323	8 555	8 692	8 699	8 759	8 815	8 943
1985 ---	8 999	9 097	9 087	9 055	8 931	8 808	8 897	8 767	8 497	8 335	8 177	8 253
1986 ---	8 167	8 265	8 427	8 557	8 661	8 808	8 940	8 830	8 852	8 702	8 674	8 739
1987 ---	8 933	8 929	8 954	9 166	9 266	9 290	9 364	9 301	9 145	9 047	8 931	9 183
1988 ---	9 164	9 225	9 305	9 406	9 455	9 426	9 575	9 636	9 584	9 663	9 739	9 779
1989 ---	9 841	9 967	9 916	9 932	9 784	9 655	9 890	9 754	9 759	9 745	9 666	9 643
1990 ---	9 839	9 820	9 843	9 860	9 850	9 654	9 886	9 747	9 626	9 672	9 674	9 468
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 526	7 377	7 309	7 367	7 188	7 069	7 085	6 989	6 921	6 976	7 008	6 841
1983 ---	6 810	6 743	6 718	6 649	6 787	6 905	6 798	6 993	7 127	7 250	7 360	7 554
1984 ---	7 537	7 719	7 780	7 929	8 064	8 259	8 395	8 613	8 728	8 878	9 008	9 038
1985 ---	9 059	9 126	9 080	8 958	8 858	8 748	8 724	8 685	8 518	8 444	8 351	8 338
1986 ---	8 227	8 299	8 409	8 474	8 583	8 749	8 780	8 749	8 873	8 800	8 843	8 830
1987 ---	8 994	8 961	8 925	9 079	9 183	9 246	9 211	9 228	9 171	9 130	9 090	9 283
1988 ---	9 223	9 248	9 266	9 319	9 373	9 398	9 436	9 585	9 620	9 731	9 887	9 880
1989 ---	9 898	9 973	9 869	9 834	9 700	9 638	9 764	9 717	9 808	9 802	9 796	9 747
1990 ---	9 903	9 825	9 799	9 764	9 769	9 646	9 767	9 709	9 667	9 713	9 789	9 565
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-20	-9	8	-24	-17	-2	-14	-10	8	5	-24
1983 ---	-5	-10	-4	-10	21	17	-15	29	19	17	15	26
1984 ---	-2	24	8	19	17	24	16	26	13	17	15	3
1985 ---	-2	7	-5	-13	-11	-12	-3	-4	-19	-9	-11	-2
1986 ---	-13	9	13	8	13	19	-4	-4	-2	-4	-4	-1
1987 ---	19	-4	-2	17	11	7	-4	-4	-6	-4	-4	21
1988 ---	-6	3	-1	6	6	3	-4	16	12	16	16	-
1989 ---	-2	8	-14	-4	-14	-6	13	-5	9	-1	-	-5
1990 ---	16	-8	-3	-4	1	-13	13	-6	-4	5	8	-23

See footnotes at end of table



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	12 276	12 453	12 465	12 427	12 524	12 518	12 262	12 309	12 098	12 105	12 166	11 988
1983 ---	12 025	12 094	12 184	12 403	12 549	12 616	12 717	12 708	12 520	12 849	12 818	12 947
1984 ---	13 019	13 412	13 641	13 828	14 112	14 231	14 356	14 747	14 923	15 333	15 351	14 946
1985 ---	15 289	15 351	15 421	15 575	15 826	15 953	16 052	16 080	15 881	15 868	15 479	15 070
1986 ---	15 139	14 876	14 627	14 491	14 322	14 020	13 706	13 628	13 186	13 103	12 588	11 842
1987 ---	11 950	12 041	11 947	12 097	12 277	12 290	12 194	12 351	12 377	12 505	12 594	12 199
1988 ---	12 392	12 581	12 520	12 642	12 757	12 832	12 905	13 085	13 025	13 062	13 169	12 910
1989 ---	13 099	13 417	13 315	13 523	13 595	13 360	13 398	13 514	13 030	13 006	12 803	12 321
1990 ---	12 395	12 618	12 538	12 717	12 714	12 501	12 552	12 488	12 347	12 202	12 044	11 697
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 430	12 459	12 388	12 313	12 346	12 393	12 223	12 271	12 169	12 079	12 223	12 249
1983 ---	12 157	12 116	12 139	12 325	12 397	12 497	12 672	12 633	12 551	12 782	12 844	13 242
1984 ---	13 167	13 470	13 644	13 783	13 960	14 104	14 288	14 622	14 911	15 213	15 367	15 310
1985 ---	15 479	15 440	15 485	15 560	15 678	15 820	15 964	15 904	15 818	15 719	15 487	15 465
1986 ---	15 351	14 970	14 725	14 482	14 182	13 892	13 626	13 455	13 102	12 968	12 591	12 180
1987 ---	12 128	12 107	12 040	12 087	12 145	12 180	12 118	12 176	12 280	12 393	12 609	12 574
1988 ---	12 598	12 643	12 616	12 613	12 599	12 722	12 814	12 901	12 922	12 969	13 192	13 321
1989 ---	13 330	13 472	13 407	13 467	13 402	13 248	13 292	13 324	12 934	12 943	12 841	12 734
1990 ---	12 628	12 668	12 623	12 655	12 525	12 397	12 440	12 306	12 242	12 149	12 079	12 086
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2	-6	-6	3	4	-14	-4	-8	-7	12	-2
1983 ---	-8	-3	2	15	6	8	14	-3	-6	18	5	31
1984 ---	-6	23	13	10	13	10	13	23	20	20	10	-4
1985 ---	11	-3	-3	5	8	9	9	-4	-5	-6	-15	-1
1986 ---	-7	-25	-16	-17	-21	-20	-19	-13	-26	-10	-29	-33
1987 ---	-4	-2	-6	4	5	3	-5	-5	9	9	17	-3
1988 ---	-2	4	-2	-1	-1	4	-7	2	2	4	17	10
1989 ---	1	11	-5	4	-5	-11	3	2	-29	1	-8	-8
1990 ---	-8	3	-4	3	-10	-10	3	-11	-5	-8	-6	1
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	5 881	6 056	6 279	6 294	6 415	6 373	6 194	6 185	6 103	6 095	5 964	5 761
1983 ---	5 797	5 818	5 815	5 916	6 006	6 076	5 726	5 845	5 847	5 730	5 768	5 867
1984 ---	5 833	6 036	6 362	6 648	6 882	6 903	6 860	6 891	6 818	6 966	6 913	6 982
1985 ---	7 119	7 284	7 410	7 606	7 775	7 752	7 262	7 149	6 969	6 675	6 502	6 468
1986 ---	6 525	6 691	6 878	7 226	7 417	7 530	7 484	7 468	7 372	7 375	7 348	7 339
1987 ---	7 410	7 608	7 929	7 953	8 034	7 903	7 768	7 661	7 594	7 710	7 695	7 705
1988 ---	7 787	7 950	8 093	8 189	8 353	8 300	8 035	8 011	7 823	7 910	8 040	8 044
1989 ---	8 158	8 327	8 285	8 569	8 695	8 481	8 331	8 484	8 222	8 386	8 348	8 396
1990 ---	8 598	8 710	8 733	8 846	9 028	8 990	8 737	8 824	8 560	8 585	8 524	8 182
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 010	6 047	6 161	6 089	6 082	6 114	6 187	6 211	6 250	6 264	6 163	5 995
1983 ---	5 944	5 831	5 720	5 717	5 705	5 825	5 705	5 850	5 967	5 878	5 961	6 107
1984 ---	5 998	6 072	6 279	6 424	6 540	6 612	6 815	6 877	6 949	7 136	7 154	7 264
1985 ---	7 332	7 348	7 334	7 351	7 393	7 434	7 192	7 135	7 108	6 831	6 730	6 714
1986 ---	6 714	6 751	6 814	6 984	7 056	7 230	7 418	7 464	7 536	7 536	7 593	7 597
1987 ---	7 592	7 657	7 851	7 699	7 659	7 611	7 721	7 667	7 783	7 869	7 929	7 959
1988 ---	7 938	7 976	8 009	7 939	7 982	8 016	8 023	8 029	8 037	8 065	8 252	8 289
1989 ---	8 276	8 336	8 196	8 321	8 319	8 206	8 344	8 507	8 465	8 548	8 551	8 649
1990 ---	8 698	8 712	8 643	8 603	8 645	8 707	8 768	8 841	8 811	8 745	8 716	8 416
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	6	19	-12	-1	5	12	4	6	2	-16	-27
1983 ---	-9	-19	-19	-1	-2	21	-21	25	20	-15	14	24
1984 ---	-18	12	34	23	18	11	31	9	10	27	3	15
1985 ---	-9	-	-2	2	6	6	-33	-8	-4	-39	-15	-2
1986 ---	-	6	-9	25	10	25	26	6	10	-	8	1
1987 ---	-1	9	25	-19	-5	-6	14	-7	15	11	8	4
1988 ---	-3	5	4	-9	-5	-4	11	1	1	3	23	4
1989 ---	-2	7	-17	15	-	-14	17	20	-5	10	-	11
1990 ---	6	2	-8	-5	5	7	7	8	-3	-7	-3	-34

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TRANSPORTATION EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	39 765	40 312	40 261	40 524	40 298	40 342	40 642	41 580	41 798	42 285	42 268	42 282
1983 ---	42 172	42 747	42 039	41 985	42 454	41 685	41 712	42 640	42 698	43 110	43 219	43 008
1984 ---	43 394	44 584	45 711	45 933	46 815	46 910	47 914	49 374	50 082	50 836	50 395	49 817
1985 ---	50 486	51 292	51 277	51 331	51 237	51 356	51 716	52 617	53 031	52 750	52 819	51 484
1986 ---	52 162	52 829	53 886	53 751	53 948	53 606	53 315	53 755	54 463	54 658	54 413	52 119
1987 ---	53 209	53 839	53 736	53 816	54 049	53 512	54 174	55 149	55 536	56 252	56 786	55 062
1988 ---	56 392	57 570	58 078	58 567	59 500	59 881	60 296	60 405	60 939	61 812	62 363	61 417
1989 ---	63 514	65 120	65 941	66 324	67 559	67 669	69 643	70 373	69 732	71 064	71 841	70 718
1990 ---	72 652	72 966	72 604	73 382	74 158	72 562	74 145	74 176	73 407	73 961	75 100	71 578
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	39 763	39 915	39 876	40 427	40 295	40 851	41 078	41 495	41 675	41 943	41 977	43 007
1983 ---	42 320	42 434	41 665	41 888	42 387	42 084	42 074	42 488	42 445	42 714	43 011	43 797
1984 ---	43 642	44 281	45 373	45 857	46 702	47 354	48 318	49 147	49 688	50 355	50 170	50 780
1985 ---	50 905	51 013	50 938	51 256	51 086	51 791	52 071	52 338	52 596	52 224	52 698	52 574
1986 ---	52 660	52 592	53 613	53 691	53 752	53 976	53 536	53 411	54 066	54 076	54 130	53 317
1987 ---	53 728	53 651	53 524	53 748	53 820	53 874	54 290	54 766	55 247	55 652	56 482	56 437
1988 ---	56 901	57 347	57 884	58 497	59 196	60 248	60 288	59 922	60 754	61 167	62 032	62 992
1989 ---	64 072	64 873	65 764	66 238	67 168	68 072	69 558	69 802	69 750	70 335	71 523	72 576
1990 ---	73 262	72 701	72 427	73 261	73 676	72 969	73 921	73 523	73 511	73 228	74 818	73 424
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	4	-1	1.4	-3	1.4	.6	1.0	.4	6	1	2.5
1983 ---	-1.6	.3	-1.8	.5	1.2	-7	-	1.0	-1	.6	7	1.8
1984 ---	-4	1.5	2.5	1.1	1.8	1.4	2.0	1.7	1.1	1.3	-4	1.2
1985 ---	2	-1	-1	6	-3	1.4	.5	5	.5	-7	9	-2
1986 ---	2	-1	1.9	1	.1	4	-8	-2	1.2	-	1	-1.5
1987 ---	8	-8	-2	4	-1	1	.8	.9	.9	7	1.5	-1
1988 ---	8	8	.9	1.1	1.2	1.8	.1	-6	1.4	.7	1.4	1.5
1989 ---	1.7	1.3	1.4	.7	1.4	1.3	2.2	4	-1	.8	1.7	1.5
1990 ---	9	-8	-4	1.2	6	-1.0	1.3	-5	-	-4	2.2	-1.9
<b>TRANSPORTATION EQUIPMENT, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	9 724	9 844	9 626	9 556	9 530	9 575	9 701	9 821	9 667	9 593	9 566	9 515
1983 ---	9 161	9 369	9 197	9 274	9 492	9 580	9 573	9 988	9 994	10 065	10 219	10 353
1984 ---	10 713	10 893	11 069	10 836	11 025	11 039	11 068	11 521	11 473	11 922	11 559	11 780
1985 ---	11 697	11 886	11 651	11 848	11 611	11 753	11 598	11 893	12 104	12 064	12 036	12 509
1986 ---	12 098	12 149	12 445	12 518	12 462	12 343	12 332	12 507	12 774	12 740	12 891	12 599
1987 ---	12 883	12 958	13 001	13 068	12 991	12 836	12 552	12 577	12 848	12 813	12 833	12 583
1988 ---	12 604	12 397	12 721	12 737	12 749	13 076	12 851	13 430	13 489	13 101	12 938	13 081
1989 ---	13 031	13 403	13 600	13 577	13 553	13 702	13 735	14 102	13 729	13 795	13 957	14 363
1990 ---	14 052	13 962	13 879	14 025	14 095	14 042	14 419	14 352	14 143	14 341	14 735	15 212
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 713	9 752	9 552	9 525	9 499	9 639	9 843	9 770	9 672	9 587	9 544	9 593
1983 ---	9 165	9 302	9 128	9 250	9 476	9 620	9 703	9 931	9 976	10 054	10 226	10 404
1984 ---	10 721	10 812	10 993	10 808	11 022	11 092	11 245	11 460	11 428	11 909	11 586	11 806
1985 ---	11 713	11 798	11 580	11 806	11 618	11 811	11 805	11 825	12 041	12 049	12 073	12 519
1986 ---	12 127	12 066	12 390	12 464	12 486	12 398	12 552	12 415	12 691	12 706	12 917	12 902
1987 ---	12 932	12 899	12 956	13 014	13 032	12 903	12 768	12 448	12 763	12 769	12 853	12 577
1988 ---	12 673	12 363	12 676	12 697	12 796	13 131	13 051	13 249	13 410	13 054	12 960	13 063
1989 ---	13 129	13 395	13 555	13 551	13 612	13 755	13 919	13 877	13 687	13 752	13 986	14 339
1990 ---	14 172	13 969	13 834	14 002	14 161	14 086	14 571	14 091	14 114	14 306	14 777	15 178
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	4	-2.1	-3	-3	1.5	2.1	-7	-1.0	-9	-4	5
1983 ---	-4.5	1.5	-1.9	1.3	2.4	1.5	.9	2.3	.5	.8	1.7	1.7
1984 ---	3.0	8	1.7	-1.7	2.0	6	1.4	1.9	-3	4.2	-2.7	1.9
1985 ---	-8	.7	-1.8	2.0	-1.6	1.7	-1	2	1.8	1	.2	3.7
1986 ---	-3.1	-5	2.7	6	2	-7	1.2	-1.1	2.2	1	1.7	-1
1987 ---	2	-3	4	4	.1	-1.0	-1.0	-2.5	2.5	-	7	-2.1
1988 ---	8	-2.4	2.5	2	.8	2.6	-6	1.5	1.2	-2.7	-7	8
1989 ---	5	2.0	1.2	-	5	1.1	1.2	-3	-1.4	5	1.7	2.5
1990 ---	-1.2	-1.4	-1.0	1.2	1.1	-5	3.4	-3.3	.2	1.4	3.3	2.7

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TRANSPORTATION EQUIPMENT, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	24 747	25 193	25 353	25 436	25 336	25 423	25 536	26 260	26 620	27 065	27 311	27 347
1983 ---	27 558	27 725	27 302	27 183	27 477	26 656	26 793	27 402	27 458	27 719	27 625	27 307
1984 ---	27 491	28 331	29 260	29 625	30 223	30 236	31 229	32 249	32 836	33 097	32 911	32 426
1985 ---	32 431	33 313	33 636	33 438	33 595	33 694	34 298	34 624	34 975	34 573	34 762	33 198
1986 ---	34 713	34 595	35 527	35 202	35 412	35 277	35 072	35 205	35 730	35 798	34 885	33 301
1987 ---	34 166	34 525	34 354	34 207	34 448	34 141	35 155	36 134	36 179	36 694	37 108	35 840
1988 ---	36 814	38 047	38 172	38 645	39 541	39 598	40 412	39 890	40 168	41 178	41 583	41 182
1989 ---	42 146	43 187	44 297	44 770	45 781	46 050	47 789	48 154	47 785	48 808	49 187	48 447
1990 ---	50 315	50 691	50 664	51 162	51 611	50 471	51 397	51 474	51 049	51 277	51 612	47 236
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	24 750	24 971	25 091	25 433	25 436	25 867	25 767	26 170	26 422	26 777	27 073	27 826
1983 ---	27 697	27 572	27 040	27 182	27 500	27 022	26 962	27 244	27 164	27 381	27 452	27 865
1984 ---	27 733	28 213	29 032	29 651	30 193	30 626	31 373	32 000	32 416	32 683	32 725	33 163
1985 ---	33 246	33 245	33 403	33 490	33 528	34 063	34 345	34 310	34 520	34 121	34 595	34 057
1986 ---	34 507	34 572	35 347	35 271	35 288	35 577	34 959	34 842	35 327	35 320	34 707	34 266
1987 ---	34 681	34 535	34 223	34 262	34 293	34 393	34 921	35 763	35 872	36 216	36 944	36 962
1988 ---	37 321	38 028	38 066	38 673	39 303	39 842	40 058	39 457	39 946	40 665	41 430	42 507
1989 ---	42 703	43 152	44 213	44 753	45 453	46 315	47 349	47 652	47 707	48 207	49 070	50 033
1990 ---	50 923	50 619	50 585	51 098	51 188	50 740	50 851	50 918	51 050	50 662	51 523	48 773
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	9	5	14	-	17	-4	16	10	13	11	2.8
1983 ---	-5	-5	-19	5	1.2	-1.7	-2	10	-3	8	3	1.5
1984 ---	-5	17	2.9	2.1	1.8	1.4	2.4	2.0	1.3	8	1	1.3
1985 ---	-3	-	5	3	1	16	8	-1	6	-12	1.4	-1.6
1986 ---	13	2	22	-2	-	8	-17	-3	14	-	-17	-1.3
1987 ---	12	-4	-9	1	1	3	-17	5	3	10	2.0	-
1988 ---	10	19	1	16	16	14	1.5	-1.5	12	18	1.9	2.6
1989 ---	5	11	2.5	12	16	19	2.2	6	1.1	10	1.8	2.0
1990 ---	1.8	-6	-1	10	2	-9	2	1	3	-8	17	-5.3
<b>TRANSPORTATION EQUIPMENT, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	5 294	5 275	5 282	5 532	5 432	5 344	5 405	5 499	5 511	5 627	5 391	5 420
1983 ---	5 453	5 653	5 540	5 528	5 485	5 449	5 346	5 250	5 246	5 326	5 375	5 348
1984 ---	5 190	5 360	5 382	5 472	5 567	5 635	5 617	5 604	5 773	5 817	5 925	5 611
1985 ---	5 958	6 093	5 990	6 045	6 031	5 909	5 820	6 100	5 952	6 113	6 121	5 777
1986 ---	6 051	6 085	5 914	6 031	6 074	5 986	5 911	6 043	5 959	6 120	6 637	5 919
1987 ---	6 150	6 356	6 381	6 541	6 610	6 535	6 467	6 438	6 509	6 745	6 845	6 639
1988 ---	6 974	7 126	7 185	7 185	7 210	7 207	7 033	7 085	7 282	7 533	7 842	7 154
1989 ---	8 337	8 530	8 044	7 977	8 225	7 917	8 119	8 117	8 218	8 461	8 697	7 908
1990 ---	8 285	8 313	8 061	8 195	8 452	8 049	8 329	8 350	8 215	8 343	8 753	9 130
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 300	5 192	5 233	5 469	5 360	5 345	5 468	5 555	5 581	5 579	5 360	5 588
1983 ---	5 458	5 560	5 497	5 456	5 411	5 442	5 409	5 313	5 305	5 279	5 333	5 528
1984 ---	5 188	5 256	5 348	5 398	5 487	5 536	5 700	5 687	5 844	5 763	5 859	5 811
1985 ---	5 946	5 970	5 955	5 960	5 940	5 917	5 921	6 203	6 035	6 054	6 026	5 998
1986 ---	6 026	5 954	5 876	5 956	5 978	6 001	6 025	6 154	6 048	6 050	6 506	6 149
1987 ---	6 115	6 217	6 345	6 472	6 505	6 578	6 601	6 555	6 612	6 667	6 685	6 898
1988 ---	6 907	6 956	7 142	7 127	7 097	7 275	7 179	7 216	7 398	7 448	7 642	7 422
1989 ---	8 240	8 326	7 996	7 934	8 103	8 002	8 290	8 273	8 356	8 376	8 467	8 204
1990 ---	8 167	8 113	8 008	8 161	8 327	8 143	8 499	8 514	8 347	8 260	8 518	9 473
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.0	8	4.5	-2.0	-3	2.3	1.6	5	-	-3.9	4.3
1983 ---	-2.3	1.9	-1.1	-7	-8	6	-6	-1.8	-2	-5	1.0	3.7
1984 ---	-6.2	1.3	1.8	.9	1.6	2.7	1.1	-2	2.8	-1.4	1.7	-8
1985 ---	2.3	4	-3	1	-3	-4	1	4.8	-2.7	3	-5	-5
1986 ---	5	-1.2	-1.3	1.4	4	4	4	2.1	-1.7	-	7.5	-5.5
1987 ---	-6	1.7	2.1	2.0	5	1.1	3	-7	9	8	3	3.2
1988 ---	1	7	2.7	-2	-4	2.5	-1.3	5	2.5	7	2.6	-2.9
1989 ---	11.0	1.0	-4.0	-8	2.1	-1.2	3.6	-2	1.0	1.1	1.1	-3.1
1990 ---	-5	-7	-1.3	1.9	2.0	-2.2	4.4	2	-2.0	-1.0	3.1	11.2

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	16 820	17 082	17 172	17 392	17 347	17 418	17 257	17 196	17 106	16 998	16 927	16 528
1983 ---	16 604	16 597	16 644	16 993	17 197	17 075	17 078	17 212	17 153	17 186	17 279	17 251
1984 ---	17 256	17 779	18 213	18 542	18 938	19 177	19 430	19 600	19 480	19 831	19 853	19 640
1985 ---	20 103	20 582	20 846	21 207	21 320	21 477	21 548	21 551	21 472	21 542	21 416	21 007
1986 ---	21 215	21 297	21 488	21 762	22 100	22 078	22 219	22 302	22 286	22 355	22 354	21 851
1987 ---	22 083	22 369	22 268	22 546	22 931	22 904	23 039	23 200	23 257	23 293	23 423	23 015
1988 ---	23 426	23 666	23 445	23 526	23 994	23 321	23 493	23 715	23 340	23 300	23 394	24 278
1989 ---	25 024	25 526	25 932	26 464	26 604	26 425	26 473	26 636	26 142	26 125	25 929	24 186
1990 ---	24 972	25 347	25 372	25 574	25 693	25 080	25 118	25 291	24 801	25 047	24 799	23 480
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 952	17 052	16 987	17 053	16 977	17 143	17 138	17 155	17 251	17 209	17 168	17 037
1983 ---	16 763	16 602	16 510	16 706	16 872	16 835	16 949	17 148	17 258	17 316	17 472	17 769
1984 ---	17 451	17 820	18 132	18 284	18 600	18 932	19 267	19 490	19 548	19 912	20 020	20 206
1985 ---	20 349	20 651	20 810	20 988	20 964	21 248	21 357	21 391	21 510	21 581	21 554	21 600
1986 ---	21 483	21 362	21 502	21 581	21 729	21 889	22 019	22 100	22 319	22 393	22 463	22 480
1987 ---	22 366	22 400	22 282	22 369	22 535	22 753	22 837	22 970	23 318	23 342	23 508	23 703
1988 ---	23 733	23 654	23 450	23 324	23 553	23 210	23 308	23 464	23 440	23 356	23 452	25 040
1989 ---	25 369	25 485	25 915	26 206	26 080	26 332	26 262	26 315	26 304	26 186	25 962	24 998
1990 ---	25 349	25 286	25 341	25 306	25 170	25 008	24 931	24 987	24 982	25 119	24 826	24 273
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	6	-4	4	-4	10	-	1	6	-2	-2	-8
1983 ---	-1.6	-1.0	-6	1.2	1.0	-2	.7	1.2	6	3	9	1.7
1984 ---	-1.8	2.1	1.8	8	1.7	1.8	1.8	1.2	.3	1.9	5	.9
1985 ---	.7	1.5	8	9	6	1.4	5	2	6	3	-1	2
1986 ---	-5	-6	7	4	7	7	6	.4	10	3	3	.1
1987 ---	-5	2	-5	4	7	10	4	6	15	.1	7	8
1988 ---	1	-3	-9	-5	10	-15	4	7	-1	-4	4	6.8
1989 ---	1.3	5	1.7	1.1	-5	1.0	-3	.2	-	-4	-9	-3.7
1990 ---	1.4	-2	2	-1	-5	-6	-3	2	-	5	-1.2	-2.2
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	5 487	5 494	5 592	5 552	5 262	5 463	5 442	5 399	5 488	5 359	5 249	5 266
1983 ---	5 164	5 096	5 074	5 246	5 238	5 150	5 183	5 297	5 490	5 571	5 499	5 567
1984 ---	5 395	5 662	5 823	5 926	6 198	6 404	6 526	6 580	6 492	6 554	6 467	6 340
1985 ---	6 593	6 750	6 734	6 828	6 846	6 886	6 985	6 929	6 880	6 949	6 776	6 777
1986 ---	6 647	6 480	6 427	6 318	6 179	6 005	5 932	5 744	5 543	5 331	5 153	5 030
1987 ---	5 059	5 108	5 065	5 196	5 293	5 290	5 398	5 460	5 439	5 424	5 500	5 333
1988 ---	5 463	5 491	5 469	5 477	5 493	5 543	5 614	5 758	5 749	5 794	5 916	6 043
1989 ---	6 345	6 422	6 369	6 390	6 446	6 449	6 478	6 436	6 153	6 076	5 988	5 765
1990 ---	5 949	6 035	6 049	6 016	6 013	5 940	5 886	5 893	5 857	5 936	5 859	5 650
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 397	5 466	5 530	5 498	5 246	5 450	5 435	5 404	5 488	5 378	5 328	5 384
1983 ---	5 114	5 083	5 042	5 199	5 220	5 132	5 155	5 284	5 479	5 568	5 577	5 703
1984 ---	5 384	5 658	5 817	5 876	6 161	6 371	6 464	6 538	6 473	6 541	6 549	6 505
1985 ---	6 619	6 753	6 748	6 780	6 797	6 847	6 900	6 860	6 856	6 941	6 855	6 964
1986 ---	6 692	6 479	6 456	6 283	6 125	5 975	5 843	5 664	5 536	5 344	5 215	5 177
1987 ---	5 090	5 088	5 085	5 173	5 244	5 266	5 311	5 371	5 445	5 457	5 558	5 494
1988 ---	5 501	5 456	5 484	5 456	5 437	5 519	5 530	5 657	5 764	5 840	5 962	6 231
1989 ---	6 395	6 381	6 376	6 368	6 377	6 423	6 388	6 312	6 174	6 130	6 020	5 951
1990 ---	6 003	5 993	6 049	5 997	5 947	5 918	5 808	5 780	5 883	5 992	5 886	5 831
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.3	1.2	-6	-4.6	3.9	-3	-6	1.6	-2.0	-9	1.1
1983 ---	-5.0	-6	-8	3.1	4	-1.7	4	2.5	3.7	1.6	2	2.3
1984 ---	-5.6	5.1	2.8	1.0	4.9	3.4	1.5	1.1	-1.0	1.1	1	-7
1985 ---	1.8	2.0	-1	5	.3	7	8	-6	-1	1.2	-1.2	1.6
1986 ---	-3.9	-3.2	-4	-2.7	-2.5	-2.4	-2.2	-3.1	-2.3	-3.5	-2.4	-7
1987 ---	-1.7	-	-1	1.7	1.4	4	9	1.1	1.4	2	1.9	-1.2
1988 ---	1	-8	5	-5	-3	1.5	.2	2.3	1.9	1.3	2.1	4.5
1989 ---	2.6	-2	-1	-1	1	7	-5	-1.2	-2.2	-7	-1.8	-1.1
1990 ---	9	-2	9	-9	-8	-5	-1.9	-5	1.8	1.9	-1.8	-9

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 127	7 304	7 289	7 315	7 369	7 285	7 182	7 183	7 027	7 110	7 128	6 821
1983 ---	6 952	7 028	7 131	7 187	7 291	7 360	7 262	7 302	7 140	7 063	7 197	7 431
1984 ---	7 190	7 349	7 494	7 581	7 666	7 704	7 771	7 813	7 834	8 066	8 175	8 116
1985 ---	8 242	8 445	8 632	8 800	8 752	8 922	8 895	8 984	8 945	8 909	8 890	8 540
1986 ---	8 827	9 151	9 744	10 081	10 658	10 921	11 215	11 613	12 040	12 440	12 773	12 594
1987 ---	12 766	12 926	13 010	13 117	13 324	13 339	13 319	13 422	13 635	13 636	13 665	13 487
1988 ---	13 719	13 878	13 734	13 749	14 113	13 448	13 556	13 541	13 236	12 979	12 882	13 434
1989 ---	13 644	13 936	14 322	14 638	14 678	14 559	14 520	14 724	14 564	14 633	14 586	13 351
1990 ---	13 818	13 809	13 832	13 965	14 064	13 815	13 916	14 053	13 654	13 732	13 598	12 839
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 256	7 291	7 186	7 181	7 240	7 168	7 142	7 146	7 087	7 168	7 178	7 049
1983 ---	7 085	7 037	7 043	7 070	7 170	7 243	7 219	7 263	7 189	7 094	7 226	7 431
1984 ---	7 336	7 392	7 424	7 476	7 534	7 579	7 730	7 767	7 857	8 075	8 189	8 365
1985 ---	8 411	8 519	8 580	8 710	8 602	8 797	8 850	8 929	8 938	8 890	8 889	8 795
1986 ---	9 003	9 240	9 719	9 998	10 470	10 802	11 156	11 527	12 012	12 415	12 778	12 970
1987 ---	12 988	13 018	12 998	13 015	13 080	13 234	13 310	13 422	13 616	13 610	13 658	13 905
1988 ---	13 947	13 955	13 724	13 633	13 842	13 371	13 486	13 415	13 233	12 953	12 866	13 874
1989 ---	13 871	14 007	14 310	14 501	14 383	14 495	14 432	14 557	14 586	14 607	14 561	13 823
1990 ---	14 054	13 867	13 821	13 825	13 778	13 764	13 831	13 885	13 690	13 714	13 575	13 299
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	5	-14	-1	8	-10	-4	1	-8	1.1	1	-1.8
1983 ---	5	-7	1	4	14	10	-3	6	-10	-1.3	19	2.8
1984 ---	-13	8	4	7	8	6	20	5	12	2.8	14	2.1
1985 ---	5	13	7	15	-12	23	6	9	1	-5	-	-1.1
1986 ---	24	26	52	29	47	32	33	33	42	34	29	1.5
1987 ---	1	2	-2	1	5	12	1	5	23	-	4	1.8
1988 ---	3	1	-17	-7	15	-34	9	-5	-14	-21	-7	7.8
1989 ---	-	10	22	13	-8	8	-4	9	2	1	-3	-5.1
1990 ---	17	-13	-3	-	-3	-1	5	4	-14	2	-10	-2.0
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	4 206	4 284	4 291	4 525	4 716	4 670	4 633	4 614	4 591	4 529	4 550	4 441
1983 ---	4 488	4 473	4 439	4 560	4 668	4 565	4 633	4 613	4 523	4 552	4 583	4 487
1984 ---	4 671	4 768	4 896	5 035	5 074	5 069	5 133	5 207	5 154	5 211	5 211	5 184
1985 ---	5 268	5 387	5 480	5 579	5 722	5 669	5 638	5 638	5 647	5 684	5 750	5 690
1986 ---	5 741	5 666	5 317	5 363	5 263	5 152	5 072	4 945	4 703	4 584	4 428	4 227
1987 ---	4 258	4 335	4 193	4 233	4 314	4 275	4 322	4 318	4 183	4 233	4 258	4 195
1988 ---	4 244	4 297	4 242	4 300	4 388	4 330	4 323	4 416	4 355	4 527	4 596	4 801
1989 ---	5 035	5 168	5 241	5 436	5 480	5 417	5 475	5 476	5 425	5 416	5 355	5 070
1990 ---	5 205	5 503	5 491	5 593	5 616	5 325	5 316	5 345	5 290	5 379	5 342	4 991
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 299	4 295	4 271	4 374	4 491	4 525	4 561	4 605	4 676	4 663	4 662	4 604
1983 ---	4 564	4 482	4 425	4 437	4 482	4 460	4 575	4 601	4 590	4 654	4 669	4 635
1984 ---	4 731	4 770	4 891	4 932	4 905	4 982	5 073	5 185	5 218	5 296	5 282	5 336
1985 ---	5 319	5 379	5 482	5 498	5 565	5 604	5 607	5 602	5 716	5 750	5 810	5 841
1986 ---	5 788	5 643	5 327	5 300	5 134	5 112	5 020	4 909	4 771	4 634	4 470	4 333
1987 ---	4 288	4 294	4 199	4 181	4 211	4 253	4 283	4 289	4 257	4 275	4 292	4 304
1988 ---	4 285	4 243	4 242	4 235	4 274	4 320	4 292	4 392	4 443	4 563	4 624	4 935
1989 ---	5 103	5 097	5 229	5 337	5 320	5 414	5 442	5 446	5 544	5 449	5 381	5 224
1990 ---	5 292	5 426	5 471	5 484	5 445	5 326	5 292	5 322	5 409	5 413	5 365	5 143
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-6	24	27	8	8	10	15	-3	-	-1.2
1983 ---	-9	-18	-13	3	10	-5	26	6	-2	14	-3	-7
1984 ---	21	8	27	8	-5	16	18	22	6	15	6	10
1985 ---	-3	11	19	3	-2	7	1	-1	20	6	10	5
1986 ---	-9	-25	-56	-5	-31	-4	-18	-22	-28	-29	-35	-3.1
1987 ---	-10	1	-22	-4	9	10	7	1	7	4	4	3
1988 ---	-4	-10	-	-2	9	11	6	23	12	27	13	6.7
1989 ---	34	-1	26	21	-3	18	5	1	18	-17	-12	-2.9
1990 ---	13	25	8	2	-7	-2.2	-6	6	16	1	-9	-4.1

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL OTHER DURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	16 069	16 175	16 134	15 986	15 948	15 956	15 890	15 753	15 696	15 350	15 089	14 961
1983 ---	15 236	15 511	15 451	15 368	15 472	15 453	15 589	15 774	15 812	15 927	15 845	15 808
1984 ---	16 237	16 411	16 614	16 742	16 682	16 586	16 654	16 761	16 826	16 770	16 675	16 871
1985 ---	17 441	17 559	17 418	17 190	17 100	17 041	17 118	17 031	16 888	16 783	16 848	16 817
1986 ---	16 985	17 393	17 203	17 157	17 035	16 789	16 925	16 934	16 735	16 741	16 780	17 330
1987 ---	17 737	18 004	18 057	18 197	18 357	18 127	18 086	18 102	17 956	17 718	17 893	18 334
1988 ---	19 002	19 524	19 469	19 250	19 338	19 418	19 775	19 550	19 300	19 254	19 299	19 552
1989 ---	19 957	20 091	20 045	20 034	20 256	20 397	20 702	20 834	20 810	20 894	20 887	20 740
1990 ---	21 084	21 114	21 178	21 307	21 278	21 028	21 068	21 227	21 207	20 933	20 870	20 734
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 012	15 892	15 867	15 803	15 796	15 883	15 878	15 707	15 759	15 592	15 488	15 275
1983 ---	15 168	15 228	15 197	15 206	15 346	15 416	15 585	15 754	15 890	16 167	16 240	16 098
1984 ---	16 140	16 097	16 341	16 568	16 552	16 568	16 657	16 763	16 940	17 025	17 082	17 145
1985 ---	17 313	17 223	17 147	17 004	16 961	17 035	17 128	17 049	17 031	17 057	17 256	17 039
1986 ---	16 831	17 052	16 937	16 974	16 906	16 790	16 930	16 959	16 911	17 026	17 168	17 524
1987 ---	17 562	17 661	17 797	18 009	18 229	18 134	18 063	18 109	18 160	18 011	18 276	18 518
1988 ---	18 822	19 179	19 225	19 075	19 221	19 424	19 733	19 537	19 523	19 538	19 665	19 756
1989 ---	19 795	19 771	19 821	19 866	20 150	20 411	20 646	20 794	21 052	21 175	21 231	20 957
1990 ---	20 944	20 788	20 957	21 153	21 191	21 043	20 987	21 173	21 460	21 195	21 175	20 955
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.7	-.2	-.4	-	6	-	-1.1	.3	-1.1	-.7	-1.4
1983 ---	-.7	4	-.2	1	9	5	1.1	1.1	.9	1.7	.5	-.9
1984 ---	.3	-.3	1.5	1.4	-.1	.1	.5	6	1.1	5	.3	4
1985 ---	1.0	-.5	-.4	-.8	-.3	4	.5	-.5	-.1	2	1.2	-1.3
1986 ---	-1.2	1.3	-.7	2	-.4	-.7	.8	2	-.3	7	.8	2.1
1987 ---	.2	6	8	1.2	1.2	-.5	-.4	-.3	-.3	-.8	1.5	1.3
1988 ---	1.6	1.9	2	-.8	8	1.1	1.6	-1.0	-.1	1	.7	5
1989 ---	.2	-.1	.3	.2	1.4	1.3	1.2	.7	1.2	6	.3	-1.3
1990 ---	-.1	-.7	.8	.9	.2	-.7	-.3	.9	1.4	-1.2	-.1	-1.0
<b>ALL OTHER DURABLE GOODS INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	6 243	6 284	6 104	5 992	5 962	5 972	6 078	6 010	6 073	6 131	6 023	5 879
1983 ---	5 909	5 826	5 664	5 560	5 576	5 614	5 844	6 064	6 172	6 432	6 393	6 288
1984 ---	6 291	6 175	6 133	6 058	6 075	6 119	6 413	6 523	6 694	6 728	6 689	6 698
1985 ---	6 760	6 662	6 624	6 511	6 392	6 297	6 460	6 379	6 500	6 464	6 529	6 665
1986 ---	6 654	6 586	6 410	6 329	6 269	6 275	6 419	6 521	6 565	6 769	6 666	6 963
1987 ---	6 980	6 955	6 881	6 860	7 006	7 123	7 178	7 232	7 170	7 215	7 329	7 512
1988 ---	7 690	7 706	7 654	7 449	7 646	7 638	8 020	7 832	7 833	7 962	7 959	7 976
1989 ---	8 030	7 988	7 913	7 861	7 867	7 956	8 335	8 460	8 648	8 864	8 883	8 747
1990 ---	8 637	8 507	8 429	8 400	8 415	8 404	8 541	8 668	8 827	8 813	8 869	9 120
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 178	6 236	6 147	6 134	6 134	6 154	6 090	5 966	5 956	5 997	5 943	5 813
1983 ---	5 841	5 783	5 720	5 706	5 747	5 801	5 860	6 034	6 059	6 279	6 293	6 195
1984 ---	6 202	6 123	6 194	6 218	6 262	6 315	6 439	6 511	6 601	6 576	6 599	6 588
1985 ---	6 650	6 611	6 680	6 651	6 556	6 477	6 490	6 377	6 430	6 330	6 446	6 542
1986 ---	6 530	6 538	6 467	6 475	6 439	6 445	6 453	6 530	6 519	6 642	6 585	6 831
1987 ---	6 843	6 899	6 935	7 005	7 182	7 295	7 203	7 235	7 140	7 093	7 247	7 376
1988 ---	7 547	7 645	7 718	7 604	7 828	7 807	8 051	7 830	7 813	7 819	7 862	7 837
1989 ---	7 901	7 930	7 985	8 021	8 061	8 131	8 362	8 447	8 632	8 691	8 750	8 587
1990 ---	8 517	8 439	8 507	8 585	8 634	8 592	8 569	8 660	8 817	8 629	8 713	8 960
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.9	-1.4	-.2	-	.3	-1.0	-2.0	-.2	7	-.9	-2.2
1983 ---	5	-1.0	-1.1	-.2	7	9	1.0	3.0	4	3.6	.2	-1.6
1984 ---	1	-1.3	1.2	4	7	8	2.0	1.1	1.4	-.4	3	-.2
1985 ---	9	-.6	1.0	-.4	-1.4	-1.2	2	-1.7	.8	-1.6	1.8	1.5
1986 ---	-.2	1.1	-1.1	1	-.6	1	1.2	1	-.2	1.9	-.9	3.7
1987 ---	2	8	5	1.0	2.5	1.6	-1.3	-.4	-1.3	-.7	2.2	1.8
1988 ---	2.3	1.3	1.0	-1.5	2.9	-.3	3.1	-2.7	1	5	5	-.3
1989 ---	8	4	7	.5	5	9	2.8	1.0	2.2	7	.7	-1.9
1990 ---	-.8	-.9	8	.9	6	-.5	-.3	1.1	1.8	-2.1	1.0	2.8

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL OTHER DURABLE GOODS INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 619	3 579	3 601	3 562	3 535	3 522	3 496	3 502	3 450	3 326	3 287	3 233
1983 ---	3 269	3 276	3 229	3 231	3 264	3 275	3 335	3 351	3 378	3 350	3 372	3 383
1984 ---	3 467	3 548	3 596	3 667	3 620	3 562	3 547	3 540	3 521	3 531	3 583	3 571
1985 ---	3 738	3 785	3 717	3 771	3 818	3 798	3 837	3 905	3 858	3 764	3 701	3 558
1986 ---	3 580	3 764	3 728	3 663	3 576	3 556	3 689	3 634	3 579	3 575	3 615	3 695
1987 ---	3 743	3 836	3 856	3 881	3 774	3 663	3 712	3 793	3 770	3 727	3 738	3 889
1988 ---	3 954	4 145	4 115	4 034	4 020	4 168	3 985	4 044	3 935	3 958	4 046	4 197
1989 ---	4 357	4 358	4 247	4 292	4 380	4 423	4 335	4 321	4 298	4 204	4 208	4 197
1990 ---	4 344	4 462	4 443	4 509	4 515	4 482	4 603	4 727	4 657	4 551	4 502	4 387
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 606	3 529	3 549	3 510	3 490	3 488	3 481	3 478	3 471	3 396	3 371	3 321
1983 ---	3 256	3 222	3 186	3 190	3 230	3 254	3 332	3 329	3 400	3 426	3 452	3 465
1984 ---	3 453	3 482	3 548	3 620	3 583	3 548	3 551	3 518	3 547	3 607	3 665	3 642
1985 ---	3 729	3 703	3 661	3 719	3 782	3 787	3 847	3 884	3 891	3 844	3 788	3 612
1986 ---	3 572	3 675	3 676	3 616	3 549	3 548	3 698	3 617	3 621	3 658	3 710	3 739
1987 ---	3 732	3 737	3 794	3 826	3 746	3 649	3 718	3 777	3 828	3 812	3 836	3 926
1988 ---	3 935	4 038	4 055	3 978	3 993	4 151	3 988	4 026	4 006	4 050	4 147	4 235
1989 ---	4 333	4 245	4 184	4 228	4 349	4 403	4 339	4 301	4 381	4 309	4 312	4 243
1990 ---	4 319	4 343	4 377	4 438	4 478	4 456	4 607	4 709	4 758	4 685	4 618	4 441
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.1	6	-1.1	-6	-1	-2	-1	-2	-2.2	-7	-1.5
1983 ---	-2.0	-1.0	-1.1	1	1.3	7	2.4	-1	2.1	.8	.8	.4
1984 ---	-3	8	1.9	2.0	-1.0	-1.0	.1	-9	8	1.7	1.6	-6
1985 ---	2.4	-7	-1.1	1.6	1.7	1	1.6	1.0	2	-1.2	-1.5	-4.6
1986 ---	-1.1	2.9	-	-1.6	-1.9	-	4.2	-2.2	1	1.0	1.4	8
1987 ---	-2	1	1.5	8	-2.1	-2.6	1.9	1.6	1.4	-4	6	2.3
1988 ---	2	2.6	4	-1.9	4	4.0	-3.9	1.0	-5	1.1	2.4	2.1
1989 ---	2.3	-2.0	-1.4	1.1	2.9	1.2	-1.5	-9	1.9	-1.6	1	-1.6
1990 ---	1.8	6	8	1.4	.9	-5	3.4	2.2	1.0	-1.5	-1.4	-3.8
<b>ALL OTHER DURABLE GOODS INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	6 207	6 312	6 429	6 432	6 451	6 462	6 316	6 241	6 173	5 893	5 779	5 849
1983 ---	6 058	6 409	6 558	6 577	6 632	6 564	6 410	6 359	6 262	6 145	6 080	6 137
1984 ---	6 479	6 688	6 885	7 017	6 987	6 905	6 694	6 698	6 611	6 511	6 403	6 602
1985 ---	6 943	7 112	7 077	6 908	6 890	6 946	6 821	6 747	6 530	6 555	6 618	6 594
1986 ---	6 751	7 043	7 065	7 165	7 190	6 958	6 817	6 779	6 591	6 397	6 499	6 672
1987 ---	7 014	7 213	7 320	7 456	7 577	7 341	7 196	7 077	7 016	6 776	6 826	6 933
1988 ---	7 358	7 673	7 700	7 767	7 672	7 612	7 770	7 674	7 532	7 334	7 294	7 379
1989 ---	7 570	7 745	7 885	7 881	8 009	8 018	8 032	8 053	7 864	7 826	7 796	7 796
1990 ---	8 103	8 145	8 306	8 398	8 348	8 142	7 924	7 832	7 723	7 569	7 499	7 227
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 228	6 127	6 171	6 159	6 172	6 241	6 307	6 263	6 332	6 199	6 174	6 141
1983 ---	6 071	6 223	6 291	6 310	6 369	6 361	6 393	6 391	6 431	6 462	6 495	6 438
1984 ---	6 485	6 492	6 599	6 730	6 707	6 705	6 667	6 734	6 792	6 842	6 818	6 915
1985 ---	6 934	6 909	6 806	6 634	6 623	6 771	6 791	6 788	6 710	6 883	7 022	6 885
1986 ---	6 729	6 839	6 794	6 883	6 918	6 797	6 779	6 812	6 771	6 726	6 873	6 954
1987 ---	6 987	7 025	7 068	7 178	7 301	7 190	7 142	7 097	7 192	7 106	7 193	7 216
1988 ---	7 340	7 496	7 452	7 493	7 400	7 466	7 694	7 681	7 704	7 669	7 656	7 684
1989 ---	7 561	7 596	7 652	7 617	7 740	7 877	7 945	8 046	8 039	8 175	8 169	8 127
1990 ---	8 108	8 006	8 073	8 130	8 079	7 995	7 811	7 804	7 885	7 881	7 844	7 554
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.6	.7	-2	.2	1.1	1.1	-.7	1.1	-2.1	-.4	-.5
1983 ---	-1.1	2.5	1.1	.3	.9	-1	.5	-	.6	.5	.5	-.9
1984 ---	7	1	1.6	2.0	-.3	-	-6	1.0	7	7	-.4	1.4
1985 ---	3	-4	-1.5	-2.5	-2	2.2	.3	-	-1.1	2.6	2.0	-2.0
1986 ---	-2.3	1.6	-7	-1.7	.5	-1.7	-.3	.5	-6	-.7	2.2	1.2
1987 ---	5	5	6	1.6	1.7	-1.5	-.7	-.6	1.3	-1.2	1.2	.3
1988 ---	1.7	2.1	-.6	6	-1.2	9	3.1	-.2	.3	-.5	-.2	4
1989 ---	-1.6	5	7	-.5	1.6	1.8	9	1.3	-.1	1.7	-.1	-.5
1990 ---	-2	-1.3	8	.7	-.6	-1.0	-2.3	-1	1.0	-1	-.5	-3.7

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	115 607	115 783	115 271	115 189	113 122	111 463	111 916	111 789	110 827	111 722	112 311	110 549
1983 ---	111 437	111 133	109 237	109 374	108 945	108 588	109 479	110 149	110 838	112 609	112 909	111 673
1984 ---	113 376	114 910	115 377	116 781	118 220	118 294	118 729	119 591	119 449	119 967	119 307	117 187
1985 ---	116 949	117 709	116 872	117 414	117 144	115 964	115 356	115 259	114 247	115 302	115 465	115 577
1986 ---	115 276	115 061	113 305	113 710	112 548	111 449	111 582	111 112	109 217	109 985	110 115	109 702
1987 ---	111 763	112 517	112 186	112 839	113 454	112 874	113 482	114 883	114 585	115 587	116 249	116 276
1988 ---	117 947	119 045	119 437	120 797	121 681	121 880	122 648	123 924	123 435	124 514	124 912	124 957
1989 ---	126 852	127 467	127 590	129 401	129 727	129 582	130 694	131 198	130 316	130 786	130 742	129 190
1990 ---	131 919	132 367	131 880	131 917	132 192	130 960	132 741	133 660	135 213	136 417	135 776	134 520
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	114 597	114 437	114 660	114 074	112 349	111 941	112 763	112 647	112 051	112 076	112 053	111 420
1983 ---	110 563	109 969	108 776	108 464	108 357	109 101	110 221	110 849	112 123	112 810	112 620	112 536
1984 ---	112 607	113 880	115 046	115 987	117 657	118 742	119 212	119 921	120 463	120 120	119 162	118 200
1985 ---	116 334	116 866	116 648	116 729	116 622	116 352	115 700	115 348	115 094	115 365	115 385	116 621
1986 ---	114 761	114 355	113 195	113 116	112 064	111 829	111 762	110 929	109 828	110 015	110 240	110 721
1987 ---	111 369	111 949	112 189	112 287	113 019	113 339	113 558	114 598	115 166	115 594	116 375	117 422
1988 ---	117 517	118 463	119 498	120 210	121 143	122 318	122 603	123 586	124 015	124 585	125 152	126 207
1989 ---	126 390	126 831	127 577	128 792	129 204	130 104	130 592	130 796	130 802	130 820	131 052	130 564
1990 ---	131 479	131 774	131 953	131 324	131 671	131 496	132 583	133 265	135 714	136 347	135 983	135 975
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	2	-5	-15	-4	7	-1	-5	-	-	-6
1983 ---	-8	-5	-11	-3	-1	7	10	6	11	6	-2	-1
1984 ---	1	11	10	8	14	9	4	6	5	-3	-8	-8
1985 ---	-16	5	-2	1	-1	-2	-6	-3	-2	-	-	1.1
1986 ---	-16	-4	-10	-1	-9	-2	-1	-7	-10	2	2	4
1987 ---	6	5	2	1	7	3	2	9	5	4	7	9
1988 ---	1	8	9	6	8	10	2	8	3	5	5	8
1989 ---	1	3	6	10	3	7	4	8	-	5	-	-4
1990 ---	7	2	1	-5	3	-1	8	5	18	5	-3	-
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	45 780	45 689	45 712	46 095	45 405	44 430	44 370	43 947	43 326	43 608	44 045	44 569
1983 ---	44 519	44 133	43 832	43 609	43 184	43 074	42 719	42 889	43 230	43 796	43 887	45 418
1984 ---	45 925	46 174	46 187	46 185	46 629	46 024	46 340	45 835	45 966	46 050	46 105	46 280
1985 ---	46 312	46 154	45 647	45 587	45 101	44 767	43 967	43 690	42 944	43 328	43 007	44 656
1986 ---	44 509	44 191	43 470	43 228	42 520	42 172	42 352	41 854	41 266	41 483	41 242	42 825
1987 ---	43 055	42 969	42 959	43 396	43 456	43 456	43 621	43 567	44 128	44 318	44 487	45 813
1988 ---	46 245	46 416	46 926	47 216	47 259	47 644	47 718	47 993	48 261	48 752	48 798	49 605
1989 ---	49 614	49 423	49 073	49 099	48 703	48 579	48 615	48 560	47 917	48 158	48 523	48 888
1990 ---	49 013	48 812	48 965	48 734	48 324	47 937	48 434	48 562	48 800	49 559	49 815	50 175
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	44 796	44 870	44 802	45 265	45 098	44 839	45 059	44 878	44 426	44 491	44 393	44 035
1983 ---	43 555	43 318	43 053	42 925	42 947	43 466	43 353	43 768	44 290	44 545	44 293	44 810
1984 ---	44 983	45 365	45 511	45 596	46 456	46 340	46 822	46 556	46 865	46 717	46 545	45 689
1985 ---	45 447	45 429	45 112	45 140	45 002	45 053	44 372	44 293	43 689	43 846	43 423	44 094
1986 ---	43 722	43 554	43 069	42 888	42 490	42 429	42 644	42 332	41 891	41 901	41 653	42 334
1987 ---	42 351	42 442	42 656	43 107	43 467	43 750	43 885	44 009	44 747	44 670	44 838	45 350
1988 ---	45 539	45 916	46 663	46 907	47 270	47 938	47 907	48 406	48 872	49 096	49 089	49 158
1989 ---	48 911	48 955	48 821	48 801	48 744	48 882	48 790	48 952	48 480	48 463	48 752	48 456
1990 ---	48 316	48 359	48 731	48 461	48 405	48 275	48 654	49 003	49 407	49 845	49 981	49 710
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2	-2	10	-4	-6	5	-4	-10	1	-2	-8
1983 ---	-11	-5	-6	-3	1	12	-3	10	12	6	-6	1.2
1984 ---	4	8	3	2	19	2	10	-6	7	-3	-4	-1.8
1985 ---	-5	-	-7	1	-3	1	-15	-2	-14	4	-10	1.5
1986 ---	-8	-4	-11	-4	-9	-1	5	-7	-10	-	-6	1.6
1987 ---	-	2	5	11	8	7	3	3	17	-2	4	1.1
1988 ---	4	8	16	5	8	14	-1	10	10	5	-	1
1989 ---	-5	1	-3	-	-1	3	-2	3	-10	-	6	-6
1990 ---	-3	1	6	-6	-1	-3	8	7	8	9	3	-5

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	18 952	18 809	18 911	19 209	19 167	19 057	19 424	19 441	19 134	18 856	18 729	18 061
1983 ---	18 393	18 627	18 405	18 795	18 611	18 375	18 737	18 900	18 900	19 128	19 110	18 146
1984 ---	18 728	19 091	19 181	19 715	20 006	19 684	19 613	20 084	19 593	19 667	19 308	18 770
1985 ---	18 856	19 007	18 834	18 961	19 018	18 733	18 908	18 894	18 926	19 329	19 532	18 907
1986 ---	18 448	18 710	18 184	18 161	18 107	18 036	17 980	17 756	17 798	17 961	17 972	17 627
1987 ---	18 116	18 733	18 764	18 677	18 886	18 883	18 762	19 113	19 092	19 139	19 320	18 768
1988 ---	19 213	19 278	19 573	19 786	20 010	19 855	20 132	20 144	20 127	20 369	20 344	19 900
1989 ---	20 566	20 670	21 244	21 670	21 525	21 608	22 113	22 172	22 168	22 714	22 420	21 784
1990 ---	22 375	22 347	22 466	22 447	22 581	21 948	22 447	22 789	23 127	23 439	23 101	22 276
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	19 077	18 802	18 938	18 972	18 938	19 119	19 364	19 346	19 110	18 724	18 710	18 609
1983 ---	18 505	18 614	18 453	18 611	18 408	18 425	18 656	18 798	18 927	19 037	19 036	18 698
1984 ---	18 827	19 064	19 213	19 545	19 783	19 727	19 514	19 988	19 586	19 562	19 240	19 344
1985 ---	18 932	18 976	18 844	18 847	18 839	18 777	18 818	18 814	18 899	19 214	19 435	19 470
1986 ---	18 508	18 691	18 172	18 084	17 974	18 114	17 902	17 698	17 740	17 842	17 882	18 153
1987 ---	18 174	18 728	18 728	18 587	18 748	18 963	18 660	19 042	19 059	19 014	19 223	19 321
1988 ---	19 276	19 280	19 519	19 695	19 896	19 996	20 035	20 085	20 082	20 166	20 220	20 489
1989 ---	20 644	20 687	21 160	21 557	21 408	21 784	21 977	22 081	22 149	22 493	22 296	22 424
1990 ---	22 479	22 387	22 360	22 308	22 476	22 171	22 286	22 683	23 149	23 155	22 950	22 906
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.4	7	2	-2	1.0	1.3	-1	-1.2	-2.0	-1	-5
1983 ---	-6	6	-9	9	-1.1	1	1.3	8	7	.6	-	-1.8
1984 ---	7	13	8	17	12	-3	-1.1	2.4	-2.0	-1	-1.6	5
1985 ---	-2.1	2	-7	-	-	-3	.2	-	5	1.7	1.2	2
1986 ---	-4.9	1.0	-2.8	-5	-6	8	-1.2	-1.1	.2	6	.2	1.5
1987 ---	.1	3.0	-	-8	9	1.1	-1.6	2.0	.1	-2	1.1	.5
1988 ---	-2	-	1.2	9	10	5	.2	2	-	4	.3	1.3
1989 ---	8	2	2.3	1.9	-7	1.8	.9	.5	3	1.6	-9	.6
1990 ---	2	-4	-1	-2	8	-1.4	5	1.8	2.1	-	-9	-2
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	50 875	51 285	50 648	49 885	48 550	47 976	48 122	48 401	48 367	49 258	49 537	47 919
1983 ---	48 525	48 373	47 000	46 970	47 150	47 139	48 023	48 360	48 708	49 685	49 912	48 109
1984 ---	48 723	49 645	50 009	50 881	51 585	52 586	52 776	53 672	53 890	54 250	53 894	52 137
1985 ---	51 781	52 548	52 391	52 866	53 025	52 464	52 481	52 675	52 377	52 645	52 926	52 014
1986 ---	52 319	52 160	51 651	52 321	51 921	51 241	51 502	51 502	50 153	50 541	50 901	49 250
1987 ---	50 592	50 815	50 463	50 766	51 112	50 535	51 099	52 203	51 365	52 130	52 442	51 695
1988 ---	52 489	53 351	52 938	53 795	54 412	54 381	54 798	55 787	55 047	55 393	55 770	55 452
1989 ---	56 672	57 374	57 273	58 632	59 499	59 395	59 966	60 466	60 231	59 914	59 799	58 518
1990 ---	60 531	61 208	60 449	60 736	61 287	61 075	61 860	62 309	63 286	63 419	62 860	62 069
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	50 724	50 765	50 920	49 837	48 313	47 983	48 340	48 423	48 515	48 861	48 950	48 776
1983 ---	48 503	48 037	47 270	46 928	47 002	47 210	48 212	48 283	48 906	49 228	49 291	49 028
1984 ---	48 797	49 451	50 322	50 846	51 418	52 675	52 876	53 377	54 012	53 841	53 377	53 167
1985 ---	51 955	52 461	52 692	52 742	52 781	52 522	52 510	52 241	52 506	52 305	52 527	53 057
1986 ---	52 531	52 110	51 954	52 144	51 600	51 286	51 216	50 899	50 197	50 272	50 705	50 234
1987 ---	50 844	50 779	50 805	50 593	50 804	50 626	51 013	51 547	51 360	51 910	52 314	52 751
1988 ---	52 702	53 267	53 316	53 608	53 977	54 384	54 661	55 095	55 061	55 323	55 843	56 560
1989 ---	56 835	57 189	57 596	58 434	59 052	59 438	59 825	59 763	60 173	59 864	60 004	59 684
1990 ---	60 684	61 028	60 862	60 555	60 790	61 050	61 643	61 579	63 158	63 347	63 052	63 359
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1	3	-2.1	-3.1	-7	7	2	2	7	.2	-4
1983 ---	-6	-1.0	-1.6	-7	2	4	2.1	1	1.3	7	1	-5
1984 ---	-5	1.3	1.8	1.0	1.1	2.4	4	9	1.2	-3	-9	-4
1985 ---	-2.3	1.0	4	1	1	-5	-	-5	5	-4	4	1.0
1986 ---	-1.0	-8	-3	-	-1.0	-6	-1	-6	-1.4	1	.9	-9
1987 ---	1.2	-1	1	-4	4	-4	8	10	-4	1.1	8	8
1988 ---	-1	1.1	1	5	7	8	5	8	-1	5	.9	1.3
1989 ---	5	6	7	1.5	1.1	7	7	-1	.7	-5	.2	-5
1990 ---	1.7	6	-3	-5	4	.4	1.0	-1	2.6	3	-5	5

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>FOOD AND KINDRED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	23 855	23 429	22 847	22 663	22 030	21 469	22 083	22 725	23 240	24 270	24 429	23 565
1983 ---	23 766	23 225	22 668	22 372	21 964	21 447	21 795	22 987	23 667	24 701	24 886	24 151
1984 ---	24 452	24 297	23 976	23 673	23 864	23 318	23 654	24 449	24 606	25 222	25 492	24 663
1985 ---	24 599	24 375	23 672	23 625	23 296	22 793	23 156	24 110	24 119	25 115	24 691	24 427
1986 ---	24 416	24 057	23 406	23 457	22 972	22 743	23 560	24 424	24 116	24 989	24 988	24 285
1987 ---	24 552	24 208	23 568	23 599	23 611	23 541	23 621	24 527	25 054	25 905	25 943	25 306
1988 ---	25 367	25 239	24 667	24 728	24 550	24 765	25 045	26 229	26 381	27 417	27 666	27 353
1989 ---	27 315	26 860	26 147	26 465	25 661	25 391	26 084	27 054	27 330	27 947	27 972	27 335
1990 ---	27 315	27 064	26 542	26 471	26 279	26 000	26 785	27 924	28 501	29 458	29 327	28 235
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 177	23 191	23 085	23 178	22 838	22 663	23 074	22 940	22 996	23 151	23 189	23 018
1983 ---	23 139	22 988	22 942	22 874	22 724	22 610	22 689	23 150	23 595	23 611	23 591	23 609
1984 ---	23 793	24 037	24 326	24 233	24 716	24 601	24 591	24 446	24 318	24 086	24 266	24 182
1985 ---	24 021	24 176	24 090	24 228	24 126	23 999	23 992	24 006	23 832	24 025	23 767	23 991
1986 ---	23 892	23 865	23 884	24 067	23 796	23 921	24 331	24 199	23 765	23 899	23 917	23 874
1987 ---	24 088	24 042	24 079	24 192	24 477	24 756	24 342	24 268	24 730	24 777	24 809	24 859
1988 ---	24 871	25 052	25 204	25 323	25 470	26 064	25 841	26 048	26 042	26 227	26 428	26 871
1989 ---	26 754	26 644	26 672	27 080	26 626	26 727	26 856	26 785	26 852	26 698	26 747	26 880
1990 ---	26 822	26 897	27 137	27 126	27 292	27 359	27 533	27 696	28 055	28 186	28 047	27 784
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1	-5	4	-15	-8	1.8	-6	2	7	2	-7
1983 ---	.5	-7	-2	-3	-7	-5	.3	2.0	1.9	1	-1	1
1984 ---	8	1.0	1.2	-4	2.0	-5	-	-6	-5	-1.0	7	-3
1985 ---	-7	6	-4	6	-4	-5	-	-6	-7	8	-1.1	9
1986 ---	-4	-1.1	.1	8	-1.1	5	1.7	-5	-1.8	.6	1	-2
1987 ---	9	-2	2	5	1.2	1.1	-1.7	-3	1.9	2	1	2
1988 ---	-	7	6	5	6	2.3	-9	8	-	.7	8	1.7
1989 ---	-4	-4	1	1.5	-1.7	4	.5	-3	3	-6	2	5
1990 ---	-2	3	9	-	6	2	.6	6	1.3	5	-5	-9
<b>FOOD AND KINDRED PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	8 610	8 472	8 456	8 401	8 199	7 980	7 927	7 667	7 493	8 042	8 345	8 224
1983 ---	8 385	8 249	8 261	8 087	7 751	7 538	7 460	7 680	8 000	8 370	8 418	8 699
1984 ---	8 809	8 915	8 689	8 618	8 612	8 174	8 049	7 817	7 815	8 389	8 547	8 656
1985 ---	8 682	8 669	8 399	8 416	8 181	8 223	8 087	8 045	7 804	8 494	8 426	8 662
1986 ---	8 735	8 462	8 301	8 414	8 176	8 126	8 237	8 215	7 886	8 427	8 489	8 482
1987 ---	8 629	8 445	8 304	8 452	8 431	8 321	8 218	8 027	8 344	8 676	8 893	8 988
1988 ---	9 083	8 997	8 960	9 089	9 126	9 210	8 868	9 072	9 200	9 771	9 937	9 830
1989 ---	9 919	9 550	9 430	9 502	9 042	8 827	8 799	8 760	8 590	9 066	9 368	9 338
1990 ---	9 286	9 205	9 145	9 150	9 069	8 895	8 973	9 068	9 014	9 681	9 931	9 543
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 237	8 175	8 227	8 297	8 305	8 282	8 249	8 095	7 958	8 014	8 085	7 902
1983 ---	8 027	7 952	8 083	7 976	7 821	7 791	7 754	8 113	8 539	8 328	8 158	8 368
1984 ---	8 410	8 598	8 523	8 511	8 704	8 436	8 368	8 218	8 272	8 310	8 317	8 349
1985 ---	8 300	8 396	8 295	8 335	8 267	8 457	8 388	8 421	8 239	8 398	8 213	8 370
1986 ---	8 361	8 229	8 249	8 354	8 261	8 342	8 523	8 541	8 275	8 310	8 269	8 203
1987 ---	8 283	8 259	8 280	8 399	8 514	8 550	8 492	8 320	8 751	8 544	8 613	8 698
1988 ---	8 728	8 826	8 942	9 038	9 221	9 492	9 179	9 408	9 622	9 612	9 568	9 524
1989 ---	9 539	9 376	9 395	9 443	9 120	9 108	9 096	9 066	8 971	8 917	9 002	9 063
1990 ---	8 959	9 056	9 121	9 105	9 150	9 181	9 267	9 400	9 430	9 533	9 530	9 270
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-8	6	9	1	-3	-4	-1.9	-1.7	7	9	-2.3
1983 ---	1.6	-9	1.6	-1.3	-1.9	-4	-5	4.6	5.3	-2.5	-2.0	2.6
1984 ---	5	2.2	-9	-1	2.3	-3.1	-8	-1.8	7	5	1	4
1985 ---	-6	1.2	-1.2	5	-8	2.3	-8	4	-2.2	1.9	-2.2	1.9
1986 ---	-1	-1.6	2	1.3	-1.1	1.0	2.2	2	-3.1	4	-5	-8
1987 ---	1.0	-3	3	1.4	1.4	4	-7	-2.0	5.2	-2.4	8	1.0
1988 ---	3	1.1	1.3	1.1	2.0	2.9	-3.3	2.5	2.3	-1	-5	-5
1989 ---	2	-1.7	2	5	-3.4	-1	-1	-3	-1.0	-6	1.0	7
1990 ---	-1.1	1.1	7	-2	5	3	9	1.4	3	1.1	-	-2.7

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>FOOD AND KINDRED PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 659	2 492	2 525	2 513	2 495	2 479	2 411	2 406	2 442	2 515	2 559	2 635
1983 ---	2 597	2 602	2 570	2 508	2 515	2 427	2 398	2 466	2 411	2 460	2 513	2 559
1984 ---	2 620	2 649	2 614	2 564	2 545	2 554	2 577	2 696	2 662	2 661	2 675	2 713
1985 ---	2 676	2 688	2 664	2 592	2 567	2 517	2 518	2 494	2 463	2 541	2 509	2 514
1986 ---	2 638	2 652	2 684	2 629	2 567	2 581	2 672	2 673	2 699	2 743	2 777	2 697
1987 ---	2 752	2 771	2 771	2 749	2 766	2 842	2 798	2 902	2 894	3 001	2 996	2 931
1988 ---	3 071	2 970	2 958	3 018	2 941	3 030	3 111	3 058	3 260	3 477	3 363	3 251
1989 ---	3 318	3 255	3 320	3 288	3 123	3 122	3 193	3 145	3 271	3 544	3 438	3 378
1990 ---	3 365	3 324	3 374	3 328	3 248	3 237	3 223	3 137	3 375	3 761	3 661	3 598
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 604	2 435	2 482	2 503	2 477	2 513	2 495	2 482	2 498	2 522	2 548	2 588
1983 ---	2 535	2 532	2 514	2 499	2 508	2 466	2 471	2 537	2 478	2 473	2 492	2 515
1984 ---	2 550	2 573	2 556	2 566	2 561	2 608	2 650	2 754	2 706	2 661	2 649	2 681
1985 ---	2 607	2 621	2 612	2 604	2 603	2 580	2 580	2 539	2 485	2 519	2 479	2 499
1986 ---	2 574	2 598	2 642	2 646	2 622	2 653	2 727	2 718	2 703	2 681	2 730	2 693
1987 ---	2 690	2 733	2 734	2 765	2 844	2 929	2 854	2 966	2 894	2 894	2 922	2 924
1988 ---	3 010	2 943	2 924	3 034	3 038	3 134	3 186	3 149	3 255	3 312	3 258	3 237
1989 ---	3 254	3 235	3 283	3 299	3 232	3 230	3 272	3 247	3 263	3 352	3 323	3 355
1990 ---	3 314	3 317	3 345	3 340	3 367	3 349	3 299	3 253	3 376	3 546	3 535	3 571
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-6.5	1.9	.8	-1.0	1.5	-7	-5	6	1.0	1.0	1.6
1983 ---	-2.0	-1	-7	-6	-1.7	4	2	27	-2.3	-2	8	.9
1984 ---	1.4	9	-7	.4	-2	1.8	1.6	3.9	-1.7	-1.7	-5	1.2
1985 ---	-2.8	5	-3	-3	-9	-	-	-1.6	-2.1	1.4	-1.6	.8
1986 ---	3.0	9	1.7	.2	-9	1.2	2.8	-3	-6	-8	1.8	-1.4
1987 ---	-1	1.6	-	1.1	2.9	3.0	-2.6	3.9	-2.4	-	1.0	.1
1988 ---	2.9	-2.2	-6	3.8	1	3.2	1.7	-1.2	3.4	1.8	-1.6	-6
1989 ---	5	-6	1.5	5	-2.0	-1	1.3	-8	5	2.7	-9	1.0
1990 ---	-1.2	.1	.8	-1	8	-5	-1.5	-1.4	3.8	5.0	-3	1.0
<b>FOOD AND KINDRED PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	12 586	12 465	11 866	11 749	11 336	11 010	11 745	12 652	13 305	13 713	13 525	12 706
1983 ---	12 784	12 374	11 817	11 777	11 698	11 482	11 937	12 841	13 256	13 871	13 955	12 893
1984 ---	13 023	12 733	12 673	12 491	12 707	12 590	13 028	13 936	14 129	14 172	14 270	13 294
1985 ---	13 241	13 018	12 609	12 617	12 548	12 053	12 551	13 571	13 852	14 080	13 956	13 251
1986 ---	13 043	12 943	12 421	12 414	12 229	12 036	12 651	13 536	13 531	13 819	13 722	13 106
1987 ---	13 171	12 992	12 493	12 398	12 414	12 378	12 605	13 598	13 816	14 228	14 054	13 387
1988 ---	13 213	13 272	12 749	12 621	12 483	12 525	13 066	14 099	13 921	14 169	14 366	14 272
1989 ---	14 078	14 055	13 397	13 675	13 496	13 442	14 092	15 149	15 469	15 337	15 166	14 619
1990 ---	14 664	14 535	14 023	13 993	13 962	13 868	14 589	15 719	16 112	16 016	15 735	15 094
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 336	12 581	12 376	12 378	12 056	11 868	12 330	12 363	12 540	12 615	12 556	12 528
1983 ---	12 577	12 504	12 345	12 399	12 395	12 353	12 464	12 500	12 578	12 810	12 941	12 726
1984 ---	12 833	12 866	13 247	13 156	13 451	13 557	13 573	13 474	13 340	13 115	13 300	13 152
1985 ---	13 114	13 159	13 183	13 289	13 256	12 962	13 024	13 046	13 108	13 108	13 075	13 122
1986 ---	12 957	13 038	12 993	13 067	12 913	12 926	13 081	12 940	12 787	12 908	12 918	12 978
1987 ---	13 115	13 050	13 065	13 028	13 119	13 277	12 996	12 982	13 085	13 339	13 274	13 237
1988 ---	13 133	13 283	13 338	13 251	13 211	13 438	13 476	13 491	13 165	13 303	13 602	14 110
1989 ---	13 961	14 033	13 894	14 338	14 274	14 389	14 488	14 472	14 618	14 429	14 422	14 462
1990 ---	14 549	14 524	14 671	14 681	14 775	14 829	14 967	15 043	15 249	15 107	14 982	14 943
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.0	-1.6	-	-2.6	-1.6	3.9	3	1.4	6	-5	-2
1983 ---	4	-6	-1.3	4	-	-3	9	3	6	1.8	1.0	-1.7
1984 ---	8	3	3.0	-7	2.2	8	1	-7	-1.0	-1.7	1.4	-1.1
1985 ---	-3	3	2	8	-2	-2.2	5	2	5	-	-3	.4
1986 ---	-1.3	6	-3	6	-1.2	1	1.2	-1.1	-1.2	9	1	.5
1987 ---	1.1	-5	1	-3	7	1.2	-2.1	-1	8	1.9	-5	-3
1988 ---	-8	1.1	4	-7	-3	1.7	3	1	-2.4	1.0	2.2	3.7
1989 ---	-1.1	5	-3	2.5	-4	8	7	-1	1.0	-1.3	-	3
1990 ---	6	-2	1.0	1	.6	4	9	5	1.4	-9	-8	-3

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TOBACCO PRODUCTS—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 148	7 132	7 068	7 210	6 959	6 686	6 571	6 599	6 768	6 827	6 908	7 186
1983 ---	6 982	6 944	6 874	6 901	6 614	6 543	6 686	6 504	6 877	7 015	6 987	7 087
1984 ---	7 124	6 949	6 745	6 558	6 274	5 959	5 726	5 927	6 424	6 619	6 591	6 883
1985 ---	7 035	6 949	6 624	6 455	6 116	5 695	5 487	5 528	6 133	6 133	6 005	6 255
1986 ---	6 304	6 255	6 022	5 876	5 586	5 139	4 961	4 963	5 212	5 418	5 440	5 711
1987 ---	5 825	5 743	5 616	5 566	5 456	5 281	5 169	5 194	5 326	5 419	5 362	5 562
1988 ---	5 729	5 636	5 501	5 451	5 186	4 996	4 945	5 069	5 202	5 474	5 337	5 475
1989 ---	5 351	5 359	5 157	5 138	4 965	4 834	4 859	4 955	5 060	5 263	5 209	5 322
1990 ---	5 705	5 727	5 459	5 400	5 117	5 012	4 949	5 160	5 290	5 428	5 251	5 607
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 663	6 679	6 699	6 989	7 065	7 103	7 280	7 153	6 959	6 862	6 833	6 873
1983 ---	6 514	6 503	6 535	6 687	6 714	6 979	7 391	7 056	7 063	7 015	6 914	6 745
1984 ---	6 648	6 516	6 450	6 373	6 376	6 372	6 317	6 422	6 586	6 574	6 526	6 531
1985 ---	6 562	6 525	6 372	6 301	6 226	6 099	6 036	5 975	5 985	6 052	5 945	5 934
1986 ---	5 870	5 887	5 828	5 762	5 695	5 506	5 431	5 336	5 333	5 327	5 391	5 428
1987 ---	5 417	5 417	5 458	5 474	5 576	5 654	5 626	5 548	5 449	5 324	5 320	5 296
1988 ---	5 325	5 330	5 365	5 371	5 317	5 335	5 352	5 379	5 318	5 380	5 302	5 228
1989 ---	4 972	5 078	5 039	5 068	5 107	5 150	5 241	5 235	5 164	5 173	5 179	5 094
1990 ---	5 299	5 434	5 341	5 329	5 273	5 333	5 330	5 438	5 396	5 332	5 225	5 375
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2	3	4.3	1.1	5	2.5	-1.7	-2.7	-1.4	-4	6
1983 ---	-5.2	-2	5	2.3	4	3.9	5.9	-4.5	1	-7	-1.4	-2.4
1984 ---	-1.4	-2.0	-1.0	-1.2	-	-1	-9	1.7	2.6	-2	-7	1
1985 ---	.5	-6	-2.3	-1.1	-1.2	-2.0	-1.0	-1.0	2	1.1	-1.8	-2
1986 ---	-1.1	3	-1.0	-1.1	-1.2	-3.3	-1.4	-1.7	-1	-1	1.2	7
1987 ---	-2	-	8	3	1.9	1.4	-5	-1.4	-1.8	-2.3	-1	-5
1988 ---	5	1	.7	1	-1.0	3	.3	5	-1.1	1.2	-1.4	-1.4
1989 ---	-4.9	2.1	-8	6	8	1.8	1.8	-1	-1.4	2	1	-1.6
1990 ---	4.0	2.5	-1.7	-2	-1.1	1.1	-1	2.0	-8	-1.2	-2.0	2.9
<b>TOBACCO PRODUCTS—MATERIAL AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	6 419	6 348	6 189	6 386	6 150	5 911	5 786	5 854	5 938	5 993	6 031	6 498
1983 ---	6 226	6 102	6 053	6 034	5 784	5 694	5 706	5 634	5 950	6 043	5 918	6 286
1984 ---	6 151	5 997	5 759	5 589	5 399	5 094	4 966	5 179	5 539	5 586	5 662	6 069
1985 ---	6 001	5 832	5 550	5 323	5 177	4 850	4 645	4 672	4 949	4 942	4 839	5 419
1986 ---	5 268	5 138	4 971	4 759	4 581	4 241	4 014	3 960	4 094	4 047	4 103	4 891
1987 ---	4 803	4 697	4 616	4 528	4 514	4 409	4 248	4 229	4 412	4 304	4 304	4 692
1988 ---	4 671	4 495	4 396	4 246	4 113	3 952	3 867	3 901	4 032	4 131	4 110	4 491
1989 ---	4 184	4 113	3 996	3 904	3 842	3 710	3 644	3 723	3 890	3 966	4 030	4 409
1990 ---	4 440	4 297	4 224	4 142	4 005	3 817	3 785	3 851	3 921	3 936	4 089	4 397
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 924	5 926	5 876	6 203	6 249	6 308	6 403	6 316	6 140	6 139	6 029	6 087
1983 ---	5 752	5 695	5 761	5 866	5 868	6 100	6 307	6 087	6 101	6 136	5 932	5 819
1984 ---	5 690	5 626	5 534	5 481	5 486	5 455	5 474	5 596	5 676	5 669	5 652	5 588
1985 ---	5 550	5 486	5 358	5 261	5 258	5 182	5 104	5 043	5 065	5 025	4 842	4 968
1986 ---	4 857	4 846	4 811	4 727	4 649	4 515	4 392	4 269	4 195	4 142	4 125	4 479
1987 ---	4 413	4 444	4 480	4 510	4 588	4 695	4 634	4 555	4 517	4 361	4 315	4 288
1988 ---	4 273	4 267	4 272	4 235	4 180	4 184	4 197	4 196	4 133	4 220	4 135	4 090
1989 ---	3 807	3 915	3 885	3 896	3 914	3 925	3 952	4 006	3 984	4 043	4 052	4 038
1990 ---	4 035	4 098	4 116	4 138	4 090	4 037	4 101	4 146	4 010	4 020	4 112	4 391
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	-8	5.6	7	9	1.5	-1.4	-2.8	-	-1.8	1.0
1983 ---	-5.5	-1.0	1.2	1.8	-	4.0	3.4	-3.5	2	6	-3.3	-1.9
1984 ---	-2.2	-1.1	-1.6	-1.0	1	-6	3	2.2	1.4	-1	-3	-1.1
1985 ---	-7	-1.2	-2.3	-1.8	-1	-1.4	-1.5	-1.2	4	-8	-3.6	2.6
1986 ---	-2.2	-2	-7	-1.7	-1.7	-2.9	-2.7	-2.8	-1.7	-1.3	-4	8.6
1987 ---	-1.5	7	8	.7	1.7	2.3	-1.3	-1.7	-8	-3.5	-1.1	-6
1988 ---	-3	-1	1	-9	-1.3	1	3	-	-1.5	2.1	-2.0	-1.1
1989 ---	-6.9	2.8	-8	3	5	3	7	1.4	-5	1.5	2	-3
1990 ---	-1	1.6	4	5	-1.2	-1.3	1.6	1.1	-3.3	2	2.3	-2.9

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TOBACCO PRODUCTS—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	97	134	136	92	95	75	106	151	252	261	190	114
1983 ---	147	211	148	111	111	68	93	59	118	154	249	91
1984 ---	95	86	73	74	74	67	74	70	120	187	147	120
1985 ---	107	89	79	89	86	78	77	86	106	213	156	134
1986 ---	100	132	102	109	91	101	92	107	162	219	187	133
1987 ---	98	111	91	80	82	69	67	67	99	139	139	130
1988 ---	146	136	117	124	136	125	118	138	184	230	202	141
1989 ---	192	172	150	137	136	119	125	144	188	219	208	151
1990 ---	189	152	129	127	130	120	124	131	181	258	226	215
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	107	147	163	122	124	118	147	177	182	155	121	122
1983 ---	161	224	175	143	142	104	129	71	87	91	165	94
1984 ---	104	89	86	93	93	99	103	87	93	112	101	117
1985 ---	117	90	94	108	107	110	106	108	86	129	110	124
1986 ---	108	133	122	131	112	138	125	134	136	136	135	121
1987 ---	105	110	108	96	100	92	90	83	85	87	102	118
1988 ---	157	133	137	149	165	165	159	168	159	146	148	128
1989 ---	206	166	173	165	164	157	168	173	162	141	153	139
1990 ---	203	147	148	152	155	158	166	156	156	168	167	197
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	37.4	10.9	-25.2	1.6	-4.8	24.6	20.4	2.8	-14.8	-21.9	.8
1983 ---	32.0	39.1	-21.9	-18.3	-.7	-26.8	24.0	-45.0	22.5	4.6	81.3	-43.0
1984 ---	10.6	-14.4	-3.4	8.1	-	6.5	4.0	-15.5	6.9	20.4	-9.8	15.8
1985 ---	-	-23.1	4.4	14.9	-.9	-	-3.6	1.9	-20.4	50.0	-14.7	12.7
1986 ---	-12.9	23.1	-8.3	7.4	-14.5	23.2	-9.4	7.2	1.5	-	-7	-10.4
1987 ---	-13.2	4.8	-1.8	-11.1	4.2	-8.0	-2.2	-7.8	2.4	2.4	17.2	15.7
1988 ---	33.1	-15.3	3.0	8.8	10.7	-	-3.6	5.7	-5.4	-8.2	1.4	-13.5
1989 ---	60.9	-19.4	4.2	-4.6	-6	-4.3	7.0	3.0	-6.4	-13.0	8.5	-9.2
1990 ---	46.0	-27.6	7	2.7	2.0	1.9	5.1	-6.0	-	7.7	-6	18.0
<b>TOBACCO PRODUCTS—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	632	650	743	732	714	700	679	594	578	573	687	574
1983 ---	609	631	673	756	719	781	887	811	809	818	820	710
1984 ---	878	866	913	895	801	798	686	678	765	846	782	694
1985 ---	927	1 028	995	1 043	853	767	765	770	792	978	1 010	702
1986 ---	936	985	949	1 008	914	797	855	896	956	1 152	1 150	687
1987 ---	924	935	909	958	860	803	854	898	815	976	919	740
1988 ---	912	1 005	988	1 081	937	919	960	1 030	986	1 113	1 025	843
1989 ---	975	1 074	1 011	1 097	987	1 005	1 090	1 088	982	1 078	971	762
1990 ---	1 076	1 278	1 106	1 131	982	1 075	1 040	1 178	1 188	1 234	936	995
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	632	606	660	664	692	677	730	660	637	568	683	664
1983 ---	601	584	599	678	704	775	955	898	875	788	817	832
1984 ---	854	801	830	799	797	818	740	739	817	793	773	826
1985 ---	895	949	920	932	861	807	826	824	834	898	993	842
1986 ---	905	908	895	904	934	853	914	933	1 002	1 049	1 131	828
1987 ---	899	863	870	868	888	867	902	910	847	876	903	890
1988 ---	895	930	956	987	972	986	996	1 015	1 026	1 014	1 019	1 010
1989 ---	959	997	981	1 007	1 029	1 068	1 121	1 056	1 018	989	974	917
1990 ---	1 061	1 189	1 077	1 039	1 028	1 138	1 063	1 136	1 230	1 144	946	1 187
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-4.1	8.9	6	4.2	-2.2	7.8	-9.6	-3.5	-10.8	20.2	-2.8
1983 ---	-9.5	-2.8	2.6	13.2	3.8	10.1	23.2	-6.0	-2.6	-9.9	3.7	1.8
1984 ---	2.6	-6.2	3.6	-3.7	-.3	2.6	-9.5	-1	10.6	-2.9	-2.5	6.9
1985 ---	8.4	6.0	-3.1	1.3	-7.6	-6.3	2.4	-2	1.2	7.7	10.6	-15.2
1986 ---	7.5	3	-1.4	1.0	3.3	-8.7	7.2	2.1	7.4	4.7	7.8	-26.8
1987 ---	8.6	-4.0	8	-2	2.3	-2.4	4.0	9	-6.9	3.4	3.1	-1.4
1988 ---	6	3.9	2.8	3.2	-1.5	1.4	1.0	1.9	1.1	-1.2	5	-.9
1989 ---	-5.0	4.0	-1.6	2.7	2.2	3.8	5.0	-5.8	-3.6	-2.8	-1.5	-5.9
1990 ---	15.7	12.1	-9.4	-3.5	-1.1	10.7	-6.6	6.9	8.3	-7.0	-17.3	25.5

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TEXTILE MILL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	7 081	7 172	7 071	7 071	7 085	6 826	6 812	6 717	6 558	6 436	6 527	6 551
1983 ---	6 720	6 780	6 843	6 925	7 103	7 091	7 130	7 165	7 178	7 240	7 329	7 312
1984 ---	7 560	7 705	7 856	7 913	8 105	8 079	8 087	8 067	7 883	7 828	7 689	7 599
1985 ---	7 678	7 842	7 783	7 746	7 686	7 559	7 434	7 302	7 277	7 278	7 234	7 197
1986 ---	7 113	7 338	7 430	7 500	7 511	7 516	7 400	7 146	7 043	6 874	6 903	6 939
1987 ---	7 173	7 465	7 656	7 731	7 733	7 677	7 695	7 831	7 671	7 675	7 704	7 643
1988 ---	7 944	8 066	8 153	8 347	8 430	8 417	8 517	8 423	8 089	8 111	8 176	8 079
1989 ---	8 361	8 473	8 392	8 679	8 874	8 770	8 945	8 957	8 718	8 716	8 606	8 616
1990 ---	8 928	9 160	9 177	9 358	9 428	9 158	9 210	9 116	8 957	8 869	8 677	8 462
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 051	7 033	6 917	6 897	6 877	6 733	6 784	6 738	6 711	6 649	6 713	6 723
1983 ---	6 716	6 678	6 712	6 777	6 900	6 989	7 084	7 173	7 316	7 445	7 524	7 514
1984 ---	7 588	7 617	7 723	7 754	7 877	7 959	8 015	8 060	8 014	8 024	7 888	7 827
1985 ---	7 734	7 781	7 662	7 586	7 474	7 436	7 346	7 279	7 391	7 454	7 428	7 437
1986 ---	7 180	7 291	7 324	7 334	7 296	7 386	7 289	7 110	7 153	7 037	7 097	7 191
1987 ---	7 246	7 421	7 558	7 549	7 509	7 551	7 559	7 781	7 796	7 863	7 926	7 944
1988 ---	8 018	8 016	8 057	8 142	8 182	8 289	8 352	8 360	8 221	8 311	8 414	8 417
1989 ---	8 431	8 418	8 306	8 465	8 605	8 642	8 755	8 874	8 857	8 929	8 858	8 999
1990 ---	9 001	9 105	9 095	9 133	9 134	9 026	9 005	9 021	9 096	9 080	8 933	8 646
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-16	-3	-3	-21	8	-7	-4	-9	10	1
1983 ---	-1	-6	5	10	18	13	14	13	20	18	11	-1
1984 ---	10	4	14	4	16	10	6	6	-6	1	-17	-8
1985 ---	-12	6	-15	-10	-15	-5	-12	-9	-1	9	-3	1
1986 ---	-35	15	5	1	-5	12	-13	-25	6	-16	9	13
1987 ---	8	24	18	-1	-5	6	1	2	2	9	8	2
1988 ---	9	-	5	11	5	13	8	1	-17	11	12	-
1989 ---	2	-2	-13	19	17	-4	13	14	-2	8	-8	16
1990 ---	-	12	-1	4	-	-12	-2	2	8	-2	-16	-10
<b>TEXTILE MILL PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 128	2 109	2 109	2 068	2 078	1 990	1 999	1 949	1 882	1 808	1 879	1 929
1983 ---	1 972	1 941	2 000	2 017	2 081	2 102	2 191	2 169	2 162	2 160	2 188	2 226
1984 ---	2 292	2 364	2 386	2 381	2 447	2 443	2 413	2 313	2 234	2 160	2 129	2 145
1985 ---	2 178	2 244	2 211	2 171	2 164	2 105	2 116	2 047	1 993	1 947	1 928	2 014
1986 ---	2 036	2 090	2 161	2 194	2 169	2 224	2 097	2 039	1 918	1 907	1 910	2 018
1987 ---	2 013	2 151	2 147	2 203	2 229	2 178	2 194	2 226	2 240	2 210	2 236	2 284
1988 ---	2 375	2 417	2 473	2 518	2 507	2 456	2 513	2 424	2 372	2 283	2 304	2 381
1989 ---	2 306	2 363	2 348	2 425	2 507	2 477	2 572	2 538	2 437	2 419	2 376	2 450
1990 ---	2 497	2 518	2 505	2 622	2 560	2 517	2 520	2 474	2 443	2 385	2 355	2 391
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 105	2 067	2 043	2 004	2 000	1 941	1 961	1 967	1 961	1 920	1 975	1 951
1983 ---	1 961	1 910	1 944	1 965	2 008	2 053	2 144	2 177	2 234	2 279	2 300	2 260
1984 ---	2 294	2 327	2 326	2 324	2 361	2 393	2 355	2 314	2 295	2 269	2 240	2 187
1985 ---	2 189	2 213	2 156	2 114	2 088	2 063	2 063	2 046	2 041	2 044	2 033	2 061
1986 ---	2 051	2 061	2 111	2 130	2 088	2 184	2 042	2 036	1 960	1 997	2 013	2 069
1987 ---	2 029	2 126	2 104	2 132	2 146	2 144	2 137	2 220	2 287	2 311	2 350	2 345
1988 ---	2 390	2 393	2 435	2 434	2 416	2 424	2 445	2 416	2 416	2 384	2 415	2 448
1989 ---	2 315	2 345	2 323	2 342	2 418	2 446	2 499	2 523	2 480	2 523	2 485	2 523
1990 ---	2 504	2 504	2 486	2 537	2 470	2 486	2 443	2 457	2 483	2 486	2 463	2 463
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-18	-12	-19	-2	-30	10	3	-3	-21	29	-12
1983 ---	5	-26	18	11	22	22	44	15	26	20	9	-17
1984 ---	15	14	-	-1	16	14	-16	-17	-8	-11	-13	-24
1985 ---	1	11	-26	-19	-12	-12	-	-8	-2	1	-5	14
1986 ---	-5	5	24	9	-20	46	-65	-3	-37	19	8	28
1987 ---	-19	48	-10	13	7	-1	-3	39	30	10	17	-2
1988 ---	19	1	18	-	-7	3	9	-12	-	-13	13	14
1989 ---	-54	13	-9	8	32	12	22	10	-17	17	-15	15
1990 ---	-8	-	-7	21	-26	6	-17	6	11	1	-9	-

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TEXTILE MILL PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 251	2 298	2 213	2 233	2 195	2 102	2 139	2 114	2 111	2 072	2 059	2 060
1983 ---	2 106	2 109	2 109	2 120	2 126	2 104	2 105	2 140	2 198	2 245	2 291	2 241
1984 ---	2 299	2 332	2 369	2 296	2 338	2 257	2 305	2 447	2 327	2 335	2 317	2 266
1985 ---	2 255	2 274	2 256	2 235	2 213	2 153	2 138	2 109	2 124	2 275	2 228	2 148
1986 ---	2 011	2 113	2 137	2 147	2 170	2 116	2 167	2 026	2 088	2 073	2 109	2 047
1987 ---	2 210	2 253	2 299	2 277	2 233	2 213	2 225	2 293	2 271	2 256	2 257	2 228
1988 ---	2 326	2 319	2 319	2 341	2 382	2 406	2 435	2 369	2 326	2 386	2 397	2 356
1989 ---	2 431	2 474	2 500	2 526	2 507	2 526	2 586	2 562	2 574	2 573	2 560	2 534
1990 ---	2 595	2 609	2 683	2 606	2 668	2 571	2 602	2 594	2 557	2 540	2 470	2 366
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 236	2 259	2 180	2 205	2 174	2 138	2 168	2 123	2 115	2 076	2 061	2 093
1983 ---	2 093	2 081	2 077	2 100	2 106	2 141	2 132	2 154	2 200	2 241	2 285	2 277
1984 ---	2 288	2 310	2 335	2 278	2 315	2 294	2 331	2 466	2 330	2 329	2 305	2 304
1985 ---	2 244	2 260	2 223	2 219	2 191	2 181	2 154	2 126	2 130	2 272	2 221	2 191
1986 ---	2 003	2 101	2 107	2 130	2 148	2 132	2 173	2 041	2 096	2 074	2 108	2 095
1987 ---	2 202	2 241	2 268	2 258	2 210	2 223	2 219	2 207	2 282	2 263	2 264	2 289
1988 ---	2 317	2 306	2 284	2 320	2 359	2 410	2 419	2 382	2 337	2 400	2 413	2 428
1989 ---	2 421	2 459	2 459	2 504	2 481	2 527	2 561	2 568	2 588	2 591	2 583	2 616
1990 ---	2 588	2 593	2 639	2 587	2 639	2 570	2 571	2 598	2 570	2 556	2 494	2 443
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.0	-3.5	1.1	-1.4	-1.7	1.4	-2.1	-4	-1.8	-7	1.6
1983 ---	-	-6	-2	1.1	.3	1.7	-4	1.0	2.1	1.9	2.0	-4
1984 ---	5	1.0	1.1	-2.4	1.6	-9	1.6	5.8	-5.5	-	-1.0	-
1985 ---	-2.6	7	-1.6	-2	-1.3	-5	-1.2	-1.3	2	6.7	-2.2	-1.4
1986 ---	-8.6	4.9	.3	1.1	.8	-7	1.9	-6.1	2.7	-1.0	1.6	-6
1987 ---	5.1	1.8	1.2	-4	-2.1	6	-2	-4.0	-1.1	-8	-	1.1
1988 ---	1.2	-5	-1.0	1.6	1.7	2.2	4	-1.5	-1.9	2.7	.5	6
1989 ---	-3	1.6	-	1.8	-9	1.9	1.3	.3	8	1	-3	1.3
1990 ---	-1.1	.2	1.8	-2.0	2.0	-2.6	-	1.1	-1.1	-5	-2.4	-2.0
<b>TEXTILE MILL PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	2 702	2 765	2 749	2 770	2 812	2 734	2 674	2 654	2 565	2 556	2 589	2 562
1983 ---	2 642	2 730	2 734	2 788	2 896	2 885	2 834	2 856	2 818	2 835	2 850	2 845
1984 ---	2 969	3 009	3 101	3 236	3 320	3 379	3 369	3 307	3 322	3 333	3 343	3 188
1985 ---	3 245	3 324	3 316	3 340	3 309	3 301	3 180	3 146	3 160	3 056	3 078	3 035
1986 ---	3 066	3 135	3 132	3 159	3 172	3 176	3 136	3 081	3 037	2 894	2 884	2 874
1987 ---	2 950	3 061	3 210	3 251	3 271	3 286	3 276	3 312	3 160	3 209	3 211	3 131
1988 ---	3 243	3 330	3 361	3 488	3 541	3 555	3 569	3 630	3 391	3 442	3 475	3 342
1989 ---	3 624	3 636	3 544	3 728	3 860	3 767	3 787	3 857	3 707	3 724	3 670	3 632
1990 ---	3 836	4 033	3 989	4 130	4 200	4 070	4 088	4 048	3 957	3 944	3 852	3 705
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 710	2 707	2 694	2 688	2 703	2 654	2 655	2 648	2 635	2 653	2 677	2 679
1983 ---	2 662	2 687	2 691	2 712	2 786	2 795	2 808	2 842	2 882	2 925	2 939	2 977
1984 ---	3 006	2 980	3 062	3 152	3 201	3 272	3 329	3 280	3 389	3 426	3 343	3 336
1985 ---	3 301	3 308	3 283	3 253	3 195	3 192	3 129	3 107	3 220	3 138	3 174	3 185
1986 ---	3 126	3 129	3 106	3 074	3 060	3 070	3 074	3 033	3 097	2 966	2 976	3 027
1987 ---	3 015	3 054	3 186	3 159	3 153	3 184	3 203	3 254	3 227	3 289	3 312	3 310
1988 ---	3 311	3 317	3 338	3 388	3 407	3 455	3 488	3 562	3 468	3 527	3 586	3 541
1989 ---	3 695	3 614	3 524	3 619	3 706	3 669	3 695	3 783	3 789	3 815	3 790	3 860
1990 ---	3 909	4 008	3 970	4 009	4 025	3 970	3 991	3 966	4 043	4 038	3 976	3 940
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-5	-2	6	-1.8	-	-3	-5	.7	.9	.1
1983 ---	-6	9	1	8	2.7	3	5	1.2	1.4	1.5	5	1.3
1984 ---	10	-9	2.8	2.9	1.6	2.2	1.7	-1.5	3.3	1.1	-2.4	-2
1985 ---	-1.0	2	-8	-9	-1.8	-1	-2.0	3.6	-2.5	1.1	.3	.3
1986 ---	-1.9	1	-7	-10	-5	.3	.1	-1.3	2.1	-4.2	.3	1.7
1987 ---	-4	1.3	4.3	-8	-2	10	6	1.6	-8	1.9	.7	-1
1988 ---	-	2	6	1.5	6	1.4	10	2.1	-2.6	1.7	1.7	-1.3
1989 ---	4.3	-2.2	-2.5	2.7	2.4	-10	7	2.4	2	.7	-7	1.8
1990 ---	1.3	2.5	-9	10	4	-1.4	.5	-6	1.9	-1	-1.5	-9

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PAPER AND ALLIED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	8 812	9 076	9 223	9 342	9 376	9 295	9 138	9 045	8 907	8 961	8 984	8 898
1983 ---	8 839	8 886	8 804	8 955	9 051	9 030	8 891	8 830	8 736	8 951	9 114	9 075
1984 ---	9 161	9 352	9 495	9 756	9 902	9 959	9 987	9 948	9 943	10 058	10 232	10 193
1985 ---	10 334	10 405	10 524	10 513	10 428	10 340	10 027	10 007	9 846	9 894	9 978	10 072
1986 ---	10 116	10 111	10 210	10 319	10 313	10 289	10 343	10 254	10 038	9 996	10 132	10 199
1987 ---	10 410	10 608	10 838	10 906	11 014	10 966	10 854	10 867	10 775	10 721	10 836	11 111
1988 ---	11 253	11 325	11 378	11 575	11 624	11 659	11 676	11 758	11 866	11 854	12 139	12 385
1989 ---	12 479	12 493	12 512	12 620	12 745	12 912	12 936	12 940	12 866	12 768	12 847	12 913
1990 ---	13 218	13 286	13 239	13 306	13 334	13 370	13 343	13 138	13 024	12 943	13 100	13 319
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 891	9 047	9 127	9 110	9 128	9 102	9 085	9 113	9 148	9 151	9 120	9 024
1983 ---	8 891	8 847	8 810	8 748	8 837	8 869	8 853	8 910	8 958	9 133	9 227	9 193
1984 ---	9 197	9 304	9 395	9 544	9 687	9 802	9 958	10 041	10 177	10 260	10 345	10 300
1985 ---	10 347	10 345	10 415	10 302	10 222	10 199	10 012	10 093	10 061	10 099	10 077	10 174
1986 ---	10 107	10 047	10 110	10 131	10 130	10 160	10 332	10 326	10 237	10 213	10 236	10 285
1987 ---	10 380	10 536	10 745	10 729	10 846	10 845	10 836	10 926	10 964	10 961	10 951	11 197
1988 ---	11 199	11 246	11 294	11 415	11 472	11 538	11 650	11 808	11 977	12 123	12 269	12 448
1989 ---	12 405	12 400	12 434	12 466	12 599	12 784	12 899	12 993	13 013	13 060	12 991	12 962
1990 ---	13 120	13 185	13 165	13 153	13 194	13 245	13 303	13 192	13 225	13 241	13 247	13 362
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.8	9	-2	2	-3	-2	3	4	-	-3	-1.1
1983 ---	-1.5	-5	-4	-7	10	4	-2	6	5	20	10	-4
1984 ---	-	12	1.0	1.6	1.5	1.2	1.6	8	14	4	8	-4
1985 ---	5	-	7	-11	-8	-2	-18	8	-3	4	-2	10
1986 ---	-7	-6	6	-2	-	-3	-17	-1	-9	-2	-2	5
1987 ---	1	15	20	-1	11	5	-1	-8	-3	-	12	2.5
1988 ---	1	4	4	11	5	6	10	14	14	12	12	15
1989 ---	-3	-	3	3	11	15	9	7	2	4	-5	-2
1990 ---	12	5	-2	-1	3	4	4	-8	3	1	-	9
<b>PAPER AND ALLIED PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	4 583	4 700	4 752	4 796	4 716	4 669	4 669	4 575	4 555	4 572	4 561	4 697
1983 ---	4 604	4 565	4 535	4 524	4 522	4 587	4 520	4 575	4 602	4 715	4 789	4 843
1984 ---	4 834	4 926	5 028	5 126	5 194	5 350	5 310	5 263	5 315	5 292	5 322	5 352
1985 ---	5 294	5 278	5 275	5 252	5 204	5 147	5 016	5 046	4 946	4 979	5 025	5 136
1986 ---	5 174	5 231	5 290	5 235	5 204	5 231	5 269	5 214	5 215	5 160	5 207	5 315
1987 ---	5 298	5 474	5 581	5 606	5 589	5 667	5 667	5 688	5 765	5 720	5 708	5 974
1988 ---	5 989	6 033	6 099	6 145	6 176	6 292	6 300	6 393	6 475	6 450	6 518	6 672
1989 ---	6 659	6 634	6 597	6 547	6 580	6 723	6 762	6 782	6 794	6 748	6 802	6 853
1990 ---	6 929	6 942	6 898	6 941	6 941	7 036	6 984	6 890	6 949	6 873	7 023	7 150
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 620	4 700	4 724	4 730	4 685	4 612	4 632	4 591	4 593	4 628	4 648	4 685
1983 ---	4 622	4 555	4 505	4 466	4 500	4 540	4 495	4 607	4 648	4 775	4 863	4 827
1984 ---	4 842	4 902	4 989	5 062	5 167	5 301	5 296	5 306	5 368	5 362	5 389	5 330
1985 ---	5 291	5 241	5 235	5 199	5 190	5 112	5 018	5 086	4 982	5 046	5 076	5 110
1986 ---	5 164	5 187	5 251	5 192	5 199	5 200	5 279	5 248	5 241	5 230	5 255	5 290
1987 ---	5 280	5 429	5 545	5 575	5 597	5 639	5 675	5 716	5 777	5 799	5 753	5 945
1988 ---	5 960	5 987	6 069	6 124	6 194	6 262	6 307	6 417	6 478	6 539	6 562	6 636
1989 ---	6 628	6 590	6 574	6 542	6 583	6 689	6 767	6 806	6 780	6 838	6 844	6 812
1990 ---	6 875	6 901	6 880	6 945	6 983	7 001	6 988	6 909	6 936	6 963	7 065	7 110
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.7	5	1	-10	-16	4	-9	-	8	4	8
1983 ---	-1.3	-1.4	-1.1	-9	8	9	-10	25	9	2.7	1.8	-7
1984 ---	3	12	1.6	1.5	2.1	2.6	-1	2	1.2	-1	5	-1.1
1985 ---	-7	-9	-1	-7	-2	-15	-18	1.4	-20	1.3	6	7
1986 ---	1	4	1.2	-1.1	1	-	1.5	-6	-1	-2	5	7
1987 ---	-2	2.6	2.1	5	4	8	6	7	1.1	4	-8	3.3
1988 ---	-3	5	1.4	9	1.1	1.1	7	1.7	10	9	4	1.1
1989 ---	-1	-6	-2	-5	1.1	1.1	1.2	6	-4	9	5	-5
1990 ---	9	4	-3	9	5	3	-2	-1.1	4	4	1.5	6

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
PAPER AND ALLIED PRODUCTS, TOTAL—WORK-IN-PROCESS												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	1 009	1 002	1 000	1 006	1 027	1 065	1 048	1 077	1 060	1 036	988	932
1983 ---	953	979	969	988	992	1 026	1 048	1 026	1 003	1 017	1 020	1 005
1984 ---	1 033	1 057	1 065	1 077	1 111	1 101	1 113	1 123	1 150	1 164	1 182	1 172
1985 ---	1 169	1 171	1 210	1 178	1 201	1 215	1 186	1 200	1 192	1 182	1 214	1 182
1986 ---	1 162	1 144	1 144	1 144	1 149	1 133	1 202	1 214	1 181	1 187	1 194	1 154
1987 ---	1 180	1 165	1 203	1 204	1 241	1 230	1 205	1 241	1 221	1 206	1 208	1 186
1988 ---	1 208	1 232	1 218	1 261	1 259	1 257	1 322	1 336	1 319	1 306	1 336	1 355
1989 ---	1 371	1 326	1 396	1 435	1 432	1 468	1 499	1 475	1 407	1 450	1 393	1 389
1990 ---	1 400	1 415	1 440	1 439	1 407	1 440	1 455	1 397	1 344	1 351	1 360	1 382
Seasonally Adjusted—Millions of Dollars												
1982 ---	1 024	1 007	999	996	1 013	1 041	1 038	1 062	1 055	1 048	992	959
1983 ---	967	985	974	985	982	1 006	1 037	1 009	997	1 023	1 021	1 033
1984 ---	1 049	1 067	1 071	1 078	1 100	1 082	1 099	1 104	1 144	1 167	1 180	1 202
1985 ---	1 185	1 187	1 219	1 182	1 192	1 201	1 168	1 178	1 185	1 182	1 211	1 208
1986 ---	1 178	1 164	1 152	1 148	1 141	1 121	1 179	1 189	1 174	1 191	1 192	1 177
1987 ---	1 198	1 189	1 212	1 204	1 234	1 218	1 174	1 213	1 219	1 213	1 211	1 211
1988 ---	1 226	1 259	1 226	1 256	1 253	1 242	1 282	1 304	1 320	1 317	1 346	1 383
1989 ---	1 394	1 353	1 405	1 426	1 428	1 449	1 447	1 438	1 412	1 464	1 408	1 416
1990 ---	1 423	1 444	1 450	1 426	1 404	1 421	1 401	1 362	1 350	1 366	1 378	1 408
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	-1.7	-8	-3	1.7	2.8	-3	2.3	-7	-7	-5.3	-3.3
1983 ---	8	1.9	-1.1	1.1	-3	2.4	3.1	-2.7	-1.2	2.6	-2	1.2
1984 ---	1.5	1.7	4	7	2.0	-1.6	1.6	5	3.6	2.0	1.1	1.9
1985 ---	-1.4	2	2.7	-3.0	8	8	-2.7	.9	6	-3	2.5	-2
1986 ---	-2.5	-1.2	-1.0	-3	-6	-1.8	5.2	8	-1.3	1.4	1	-1.3
1987 ---	1.8	-8	1.9	-7	2.5	-1.3	-3.6	3.3	.5	-5	-2	-
1988 ---	1.2	2.7	-2.6	2.4	-2	-9	3.2	1.7	1.2	-2	2.2	2.7
1989 ---	8	-2.9	3.8	1.5	1	-1	-6	-1.8	3.7	-3.8	-8	6
1990 ---	5	1.5	4	-1.7	-1.5	1.2	-1.4	-2.8	-9	1.2	.9	2.2
PAPER AND ALLIED PRODUCTS, TOTAL—FINISHED GOODS												
Without Seasonal Adjustment—Millions of Dollars												
1982 ---	3 220	3 374	3 471	3 540	3 633	3 561	3 421	3 393	3 292	3 353	3 435	3 269
1983 ---	3 282	3 342	3 400	3 443	3 537	3 417	3 323	3 229	3 131	3 219	3 305	3 227
1984 ---	3 294	3 369	3 402	3 553	3 597	3 508	3 564	3 562	3 478	3 602	3 728	3 659
1985 ---	3 871	3 956	4 039	4 083	4 023	3 978	3 825	3 761	3 708	3 733	3 739	3 754
1986 ---	3 780	3 736	3 776	3 940	3 960	3 925	3 872	3 826	3 642	3 649	3 731	3 730
1987 ---	3 932	3 969	4 054	4 096	4 184	4 069	3 982	3 938	3 789	3 795	3 920	3 951
1988 ---	4 056	4 060	4 061	4 169	4 189	4 110	4 054	4 029	3 992	4 098	4 285	4 358
1989 ---	4 439	4 533	4 519	4 638	4 733	4 721	4 675	4 683	4 615	4 570	4 652	4 671
1990 ---	4 889	4 929	4 901	4 926	4 986	4 894	4 904	4 851	4 731	4 719	4 717	4 787
Seasonally Adjusted—Millions of Dollars												
1982 ---	3 247	3 340	3 404	3 384	3 430	3 449	3 415	3 460	3 500	3 475	3 480	3 380
1983 ---	3 302	3 307	3 331	3 297	3 355	3 323	3 321	3 294	3 313	3 335	3 343	3 333
1984 ---	3 306	3 335	3 335	3 404	3 420	3 419	3 563	3 631	3 665	3 731	3 776	3 768
1985 ---	3 871	3 917	3 961	3 921	3 840	3 866	3 826	3 829	3 894	3 871	3 790	3 856
1986 ---	3 765	3 696	3 707	3 791	3 790	3 839	3 874	3 889	3 822	3 792	3 789	3 818
1987 ---	3 902	3 918	3 988	3 950	4 015	3 988	3 987	3 997	3 968	3 949	3 987	4 031
1988 ---	4 013	4 000	3 999	4 035	4 025	4 034	4 061	4 087	4 179	4 267	4 361	4 429
1989 ---	4 383	4 457	4 455	4 498	4 556	4 646	4 685	4 749	4 821	4 758	4 739	4 734
1990 ---	4 822	4 840	4 835	4 782	4 807	4 823	4 914	4 921	4 939	4 912	4 804	4 844
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	2.9	1.9	-6	1.4	6	-1.0	1.3	1.2	-7	1	-2.9
1983 ---	-2.3	2	7	-1.0	1.8	-1.0	-1	-8	6	-7	2	-3
1984 ---	-8	9	-	2.1	5	-	4.2	1.9	9	1.8	1.2	-2
1985 ---	2.7	1.2	1.1	-1.0	-2.1	1.2	-1.5	1	1.7	-6	-2.1	1.7
1986 ---	-2.4	-1.8	3	2.3	-	1.3	9	4	-1.7	-8	-1	.8
1987 ---	2.2	4	1.8	-1.0	1.6	-7	-	3	-7	-5	1.0	1.1
1988 ---	-4	-3	-	9	-2	2	7	6	2.3	2.1	2.2	1.6
1989 ---	-1.0	1.7	-	1.0	1.3	2.0	8	1.4	1.5	-1.3	-4	-1
1990 ---	1.9	4	-1.1	-1.1	5	3	1.9	1	4	-5	-2.2	.8

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	25 874	26 120	26 070	26 197	25 553	25 084	25 221	24 880	24 270	24 488	24 447	24 278
1983 ---	24 274	24 433	24 231	24 368	24 113	23 732	24 062	24 220	23 726	24 152	24 525	24 532
1984 ---	24 663	25 147	25 516	25 795	25 868	26 323	26 509	26 718	26 614	26 606	26 445	26 238
1985 ---	25 836	26 162	26 276	26 167	26 314	26 330	26 407	26 329	26 045	26 100	26 318	25 952
1986 ---	26 112	26 160	26 058	26 075	25 670	25 610	25 732	25 271	24 756	25 008	25 162	25 558
1987 ---	25 775	25 953	25 685	25 712	25 587	25 238	25 689	25 526	25 369	25 785	26 120	26 388
1988 ---	27 139	27 756	27 777	27 511	27 572	27 712	28 118	28 259	28 177	28 632	29 009	29 372
1989 ---	29 899	30 479	30 980	31 195	31 300	31 255	31 448	31 395	30 991	31 142	31 219	30 861
1990 ---	30 880	31 123	31 221	31 343	31 287	31 040	31 505	31 109	31 014	31 548	31 930	32 118
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 550	25 551	25 592	25 667	25 274	25 178	25 255	25 090	24 921	24 993	24 724	24 449
1983 ---	24 038	23 983	23 830	23 921	23 947	23 822	24 068	24 354	24 311	24 545	24 751	24 700
1984 ---	24 483	24 775	25 151	25 396	25 749	26 413	26 466	26 788	27 189	26 964	26 634	26 421
1985 ---	25 682	25 823	25 949	25 835	26 213	26 396	26 331	26 386	26 554	26 393	26 462	26 126
1986 ---	25 967	25 836	25 754	25 808	25 596	25 671	25 639	25 335	25 203	25 271	25 292	25 750
1987 ---	25 650	25 654	25 416	25 477	25 498	25 262	25 562	25 603	25 810	26 058	26 274	26 599
1988 ---	27 008	27 427	27 497	27 264	27 442	27 709	27 945	28 345	28 663	28 947	29 211	29 612
1989 ---	29 748	30 093	30 630	30 914	31 167	31 302	31 288	31 544	31 532	31 485	31 448	31 098
1990 ---	30 721	30 714	30 858	31 057	31 129	31 082	31 339	31 253	31 557	31 897	32 172	32 366
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	.2	.3	-1.5	-.4	.3	-.7	-.7	.3	-1.1	-1.1
1983 ---	-1.7	-.2	-.6	.4	.1	-.5	1.0	1.2	-.2	1.0	.8	-.2
1984 ---	-.9	1.2	1.5	1.0	1.4	2.6	.2	1.2	1.5	-.8	-1.2	-.8
1985 ---	-2.8	.5	.5	-.4	1.5	.7	-.2	.2	.6	-.6	.3	-1.3
1986 ---	-.6	-.5	-.3	.2	-.8	.3	-.1	-1.2	-.5	.3	.1	1.8
1987 ---	-.4	..	-.9	.2	.1	-.9	1.2	.2	.8	1.0	.8	1.2
1988 ---	1.5	1.6	.3	-.8	.7	1.0	.9	1.4	1.1	1.0	.9	1.4
1989 ---	.5	1.2	1.8	.9	.8	.4	..	.8	..	-.1	-.1	-1.1
1990 ---	-1.2	..	.5	.6	.2	-.2	.8	-.3	1.0	1.1	.9	.6
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	9 224	9 109	9 162	9 140	9 029	8 867	9 068	8 901	8 831	8 624	8 427	8 552
1983 ---	8 587	8 527	8 558	8 484	8 389	8 278	8 409	8 515	8 485	8 427	8 612	8 881
1984 ---	8 965	8 980	9 084	9 095	9 332	9 198	9 327	9 348	9 077	9 120	8 920	9 930
1985 ---	9 044	9 004	9 092	9 112	9 076	9 095	9 089	9 009	8 863	8 776	8 766	8 828
1986 ---	8 859	8 808	8 594	8 552	8 709	8 870	9 157	9 017	8 971	8 957	8 747	8 971
1987 ---	9 016	8 897	9 016	8 999	9 009	8 953	9 247	9 101	9 158	9 181	9 168	9 338
1988 ---	9 524	9 804	9 824	9 760	9 662	9 995	10 086	10 126	10 097	10 149	10 181	10 305
1989 ---	10 405	10 622	10 639	10 639	10 638	10 720	10 680	10 674	10 661	10 613	10 666	10 616
1990 ---	10 540	10 649	10 589	10 542	10 585	10 565	10 712	10 699	10 692	10 920	10 827	10 903
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 162	9 030	8 971	8 980	8 915	8 920	9 009	8 910	8 943	8 834	8 626	8 578
1983 ---	8 522	8 458	8 413	8 375	8 330	8 320	8 337	8 493	8 561	8 599	8 809	8 913
1984 ---	8 899	8 920	8 967	9 025	9 302	9 225	9 228	9 296	9 127	9 271	9 108	8 975
1985 ---	8 982	8 951	9 005	9 080	9 062	9 100	8 977	8 952	8 896	8 881	8 928	8 884
1986 ---	8 814	8 753	8 535	8 549	8 714	8 862	9 039	8 970	9 003	9 039	8 882	9 040
1987 ---	8 990	8 833	8 974	9 008	9 020	8 927	9 124	9 065	9 189	9 247	9 294	9 413
1988 ---	9 510	9 720	9 786	9 770	9 671	9 953	9 950	10 097	10 132	10 218	10 311	10 382
1989 ---	10 394	10 514	10 590	10 653	10 659	10 695	10 556	10 662	10 710	10 681	10 790	10 680
1990 ---	10 527	10 528	10 533	10 549	10 605	10 539	10 597	10 691	10 753	10 994	10 945	10 964
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.4	-.7	.1	-.7	.1	1.0	-1.1	.4	-1.2	-.24	-.6
1983 ---	-.7	-.8	-.5	-.5	-.5	-.1	.2	1.9	.8	.4	2.4	1.2
1984 ---	-.2	.2	.5	.6	.3	1.1	..	..	..	1.6	-.18	-1.5
1985 ---	.1	-.3	.6	.8	-.2	.4	-.14	-.7	-.6	-.2	.5	..
1986 ---	-.8	-.7	-.25	.2	1.9	1.7	2.0	-.8	.4	.4	-.17	1.8
1987 ---	-.6	-1.7	1.6	.4	.1	-1.0	2.2	-.6	1.4	.6	.5	1.3
1988 ---	1.0	2.2	.7	-.2	-1.0	2.9	..	1.5	.3	.8	.9	.7
1989 ---	.1	1.2	.7	.6	.1	.3	-1.3	1.0	.5	..	1.0	-1.0
1990 ---	-1.4	..	..	.2	.5	-.6	.6	.9	.6	2.2	-.4	.2

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	4 273	4 288	4 341	4 432	4 470	4 479	4 523	4 511	4 369	4 340	4 351	4 126
1983	4 080	4 221	4 202	4 284	4 178	4 076	4 118	4 102	4 099	4 171	4 109	4 001
1984	3 972	4 172	4 102	4 263	4 380	4 604	4 580	4 695	4 702	4 461	4 409	4 223
1985	4 390	4 420	4 379	4 414	4 459	4 474	4 461	4 456	4 490	4 494	4 410	4 086
1986	4 118	4 003	3 998	4 046	4 085	4 064	4 077	3 937	4 044	4 028	3 977	3 864
1987	4 087	4 173	4 053	4 064	4 138	4 179	4 114	4 113	4 153	4 084	4 168	3 980
1988	4 211	4 308	4 382	4 324	4 460	4 324	4 424	4 434	4 358	4 429	4 421	4 322
1989	4 496	4 531	4 603	4 759	4 806	4 700	4 884	4 996	4 954	5 005	4 985	4 835
1990	4 925	4 941	4 951	5 101	5 137	4 998	5 101	5 096	5 015	5 058	5 189	4 994
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	4 278	4 235	4 290	4 359	4 396	4 463	4 501	4 495	4 374	4 369	4 408	4 300
1983	4 093	4 184	4 191	4 225	4 114	4 048	4 083	4 076	4 089	4 183	4 148	4 176
1984	3 991	4 153	4 126	4 219	4 315	4 565	4 527	4 652	4 670	4 459	4 440	4 416
1985	4 417	4 410	4 424	4 387	4 390	4 431	4 402	4 407	4 446	4 483	4 431	4 274
1986	4 143	4 002	4 041	4 036	4 024	4 037	4 020	3 888	4 004	4 013	3 990	4 044
1987	4 114	4 180	4 091	4 053	4 072	4 164	4 050	4 057	4 120	4 073	4 179	4 163
1988	4 239	4 317	4 412	4 302	4 383	4 323	4 348	4 368	4 335	4 424	4 430	4 515
1989	4 525	4 540	4 627	4 724	4 724	4 721	4 802	4 926	4 944	5 007	4 991	5 037
1990	4 955	4 947	4 973	5 054	5 045	5 028	5 015	5 021	5 017	5 064	5 194	5 194
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-1.0	1.3	1.6	8	1.5	.9	-1	-2.7	-.1	.9	-2.5
1983	-4.8	2.2	.2	8	-2.6	-1.6	.9	-2	.3	2.3	-.8	.7
1984	-4.4	4.1	-.7	2.3	23	5.8	-.8	2.8	.4	-4.5	-.4	-.5
1985	-.	-.2	.3	-.8	1	.9	-.7	.1	.8	-.12	-.3.5	-.5
1986	-3.1	-3.4	1.0	-.1	-.3	3	-.4	-3.3	3.0	.2	-.6	1.4
1987	1.7	1.6	-2.1	-.9	5	2.3	-2.7	.2	1.6	-1.1	2.6	-.4
1988	1.8	1.8	2.2	-2.5	1.9	-1.4	.6	.5	-.8	2.1	-.1	1.9
1989	2	3	1.9	2.1	-.	-.1	1.7	2.6	.4	1.3	-.3	.9
1990	-1.6	-.2	.5	1.6	-.2	-.3	-.3	.1	-.1	.9	2.6	-.
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	12 377	12 723	12 567	12 625	12 054	11 738	11 630	11 468	11 070	11 524	11 669	11 600
1983	11 607	11 685	11 471	11 600	11 546	11 378	11 535	11 603	11 142	11 554	11 804	11 650
1984	11 726	11 995	12 330	12 437	12 156	12 521	12 602	12 675	12 835	13 025	13 116	13 085
1985	12 402	12 738	12 805	12 641	12 779	12 761	12 857	12 864	12 692	12 830	13 142	13 038
1986	13 135	13 349	13 466	13 477	12 876	12 676	12 498	12 317	11 741	12 023	12 438	12 723
1987	12 672	12 883	12 616	12 649	12 440	12 106	12 328	12 312	12 058	12 520	12 784	13 070
1988	13 404	13 644	13 571	13 427	13 450	13 393	13 608	13 699	13 722	14 054	14 407	14 745
1989	14 998	15 326	15 738	15 797	15 856	15 835	15 884	15 725	15 376	15 524	15 568	15 410
1990	15 415	15 533	15 681	15 700	15 565	15 477	15 692	15 314	15 307	15 570	15 914	16 221
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	12 110	12 286	12 331	12 328	11 963	11 795	11 745	11 685	11 604	11 790	11 690	11 571
1983	11 423	11 341	11 226	11 321	11 503	11 454	11 648	11 785	11 661	11 763	11 794	11 611
1984	11 593	11 702	12 058	12 152	12 132	12 623	12 711	12 840	13 392	13 234	13 086	13 030
1985	12 283	12 462	12 520	12 368	12 761	12 865	12 952	13 027	13 212	13 029	13 103	12 968
1986	13 010	13 081	13 178	13 223	12 858	12 772	12 580	12 477	12 196	12 219	12 420	12 666
1987	12 546	12 641	12 351	12 416	12 406	12 171	12 388	12 481	12 501	12 738	12 801	13 023
1988	13 259	13 390	13 299	13 192	13 388	13 433	13 647	13 880	14 196	14 305	14 470	14 715
1989	14 829	15 039	15 413	15 537	15 784	15 886	15 930	15 956	15 878	15 797	15 667	15 381
1990	15 239	15 239	15 352	15 454	15 479	15 515	15 727	15 541	15 787	15 839	16 033	16 208
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	1.5	.4	-.	-3.0	-1.4	-.4	-.5	-.7	1.6	-.8	-1.0
1983	-1.3	-.7	-1.0	.8	1.6	-.4	1.7	1.2	-1.1	.9	.3	-1.6
1984	-.2	.9	3.0	.8	-.2	4.0	.7	1.0	.43	-1.2	-1.1	-.4
1985	-5.7	1.5	.5	-1.2	3.2	.8	.7	.6	1.4	-1.4	.6	-1.0
1986	.3	.5	.7	.3	-2.8	-.7	-1.5	-.8	-2.3	.2	1.6	2.0
1987	-.9	.8	-2.3	.5	-.1	-1.9	.8	.8	.2	1.9	.5	1.7
1988	1.8	1.0	-.7	-.8	1.5	.3	1.6	1.7	2.3	.8	1.2	1.7
1989	.8	1.4	2.5	.8	1.6	.6	.3	.2	-.5	-.5	-.8	-1.8
1990	-.9	-.	.7	.7	.2	.2	1.4	-1.2	1.6	-.3	1.2	1.1

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	17 864	17 539	17 604	16 814	16 052	16 002	16 508	16 872	16 909	16 878	17 907	16 732
1983 ---	17 224	17 108	15 758	15 355	15 312	15 369	15 549	15 347	15 886	15 831	15 592	14 599
1984 ---	14 698	15 133	14 673	15 441	15 613	15 255	15 369	15 345	15 355	15 459	15 284	14 036
1985 ---	13 919	13 620	13 445	13 724	14 037	13 672	13 546	12 957	12 556	12 985	13 721	13 746
1986 ---	12 778	12 118	10 816	10 585	10 480	10 137	9 686	9 468	9 050	9 114	9 141	8 644
1987 ---	8 879	9 054	9 003	9 051	9 217	9 307	9 507	10 017	9 878	10 047	10 339	9 797
1988 ---	9 626	9 580	9 668	9 855	10 185	10 008	9 906	9 613	9 480	9 435	9 302	9 021
1989 ---	9 572	9 725	9 869	10 493	10 758	11 019	10 844	10 713	10 520	10 724	10 809	10 408
1990 ---	11 469	11 434	11 419	11 194	11 228	10 879	11 038	11 669	13 296	13 583	13 420	12 822
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	17 835	17 428	18 126	17 075	16 059	16 165	16 513	16 924	16 819	16 614	17 123	17 013
1983 ---	17 206	17 038	16 203	15 595	15 288	15 493	15 543	15 398	15 833	15 608	14 931	14 847
1984 ---	14 699	15 095	15 054	15 681	15 555	15 337	15 347	15 401	15 318	15 255	14 669	14 269
1985 ---	13 924	13 624	13 767	13 916	13 960	13 713	13 517	12 994	12 549	12 824	13 240	13 990
1986 ---	12 790	12 154	11 042	10 693	10 398	10 147	9 652	9 493	9 055	8 990	8 879	8 810
1987 ---	8 902	9 097	9 173	9 113	9 127	9 289	9 475	10 036	9 889	9 900	10 112	10 018
1988 ---	9 662	9 617	9 821	9 889	10 062	9 966	9 873	9 641	9 511	9 307	9 177	9 245
1989 ---	9 610	9 750	9 990	10 487	10 603	10 955	10 815	10 761	10 554	10 566	10 697	10 688
1990 ---	11 517	11 462	11 529	11 157	11 062	10 813	11 008	11 736	13 328	13 370	13 304	13 175
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.3	4.0	-5.8	-6.0	7	2.2	2.5	-6	-1.2	3.1	-6
1983 ---	1.1	-1.0	-4.9	-3.8	-2.0	1.3	3	-9	2.8	-1.4	-4.3	-6
1984 ---	-1.0	2.7	-3	4.2	-8	-1.4	1	4	-5	-4	-3.8	-2.7
1985 ---	-2.4	-2.2	1.0	1.1	3	-1.8	-1.4	-3.9	-3.4	2.2	3.2	5.7
1986 ---	-8.6	-5.0	-9.1	-3.2	-2.8	-2.4	-4.9	-1.6	-4.6	-7	-1.2	-8
1987 ---	1.0	2.2	8	-7	2	1.8	2.0	5.9	-1.5	1	2.1	-9
1988 ---	-3.6	-5	2.1	7	1.7	-1.0	-9	-2.3	-1.3	-2.1	-1.4	7
1989 ---	3.9	1.5	2.5	5.0	1.1	3.3	-1.3	-5	-1.9	1	1.2	-1
1990 ---	7.8	-5	6	-3.2	-9	-2.3	1.8	6.6	13.6	3	-5	-10
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	4 989	5 004	5 149	5 420	5 449	5 148	5 073	5 394	5 268	5 262	5 724	5 365
1983 ---	5 651	5 678	5 261	5 301	5 475	5 410	4 945	4 781	4 594	4 561	4 435	4 500
1984 ---	4 759	4 566	4 513	4 570	4 612	4 617	4 759	4 451	4 598	4 480	4 543	4 197
1985 ---	4 206	4 032	3 968	4 110	4 210	3 946	3 771	3 662	3 361	3 455	3 752	3 823
1986 ---	3 707	3 612	3 206	3 182	2 873	2 707	2 576	2 527	2 373	2 414	2 309	2 304
1987 ---	2 239	2 316	2 257	2 300	2 346	2 391	2 365	2 476	2 525	2 568	2 618	2 577
1988 ---	2 489	2 530	2 718	2 676	2 766	2 779	2 669	2 663	2 627	2 649	2 591	2 586
1989 ---	2 656	2 725	2 760	2 946	2 905	3 050	2 854	3 040	2 838	2 858	3 040	3 207
1990 ---	3 201	3 134	3 433	3 378	3 237	3 217	3 247	3 343	3 531	3 649	3 514	3 724
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 874	4 977	5 189	5 349	5 282	5 141	5 185	5 440	5 398	5 420	5 575	5 418
1983 ---	5 525	5 644	5 308	5 244	5 321	5 396	5 048	4 827	4 720	4 701	4 336	4 533
1984 ---	4 662	4 525	4 550	4 510	4 478	4 585	4 856	4 497	4 724	4 602	4 461	4 209
1985 ---	4 146	3 989	3 995	4 044	4 101	3 908	3 847	3 700	3 454	3 534	3 706	3 823
1986 ---	3 592	3 569	3 225	3 119	2 805	2 674	2 622	2 554	2 439	2 453	2 295	2 297
1987 ---	2 254	2 289	2 263	2 245	2 301	2 356	2 405	2 501	2 587	2 591	2 617	2 573
1988 ---	2 521	2 504	2 721	2 606	2 720	2 735	2 713	2 687	2 687	2 662	2 605	2 585
1989 ---	2 698	2 705	2 754	2 859	2 862	2 998	2 905	3 068	2 894	2 859	3 060	3 214
1990 ---	3 263	3 119	3 420	3 275	3 190	3 158	3 301	3 378	3 593	3 646	3 540	3 727
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.1	4.3	3.1	-1.3	-2.7	9	4.9	-8	4	2.9	-2.8
1983 ---	2.0	2.2	-6.0	-1.2	1.5	1.4	-6.4	-4.4	-2.2	-4	-7.8	4.5
1984 ---	2.8	-2.9	6	-9	-7	2.4	5.9	-7.4	5.0	-2.6	-3.1	-5.6
1985 ---	-1.5	-3.8	2	1.2	-1.4	-4.7	-1.6	-3.8	-6.6	2.3	4.9	3.2
1986 ---	-3.4	-3.3	-9.6	-3.3	-10.1	-4.7	-1.9	-2.6	-4.5	6	-6.4	1
1987 ---	-1.9	1.6	-1.1	-8	2.5	2.4	2.1	4.0	3.4	2	1.0	-1.7
1988 ---	-2.0	-7	8.7	-4.2	4.4	6	-8	-1.0	-	-9	-2.1	-8
1989 ---	4.4	3	1.8	3.8	1	4.8	-3.1	5.6	-5.7	-1.2	7.0	5.0
1990 ---	1.5	-4.4	9.7	-4.2	-2.6	-1.0	4.5	2.3	6.4	1.5	-2.9	5.3

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 803	3 832	3 958	3 954	3 842	3 899	4 154	4 098	4 037	3 809	3 941	3 706
1983 ---	3 786	3 754	3 779	3 836	3 833	3 759	3 777	3 847	3 883	3 813	3 765	3 354
1984 ---	3 460	3 468	3 478	3 857	3 995	3 502	3 343	3 466	3 230	3 404	3 219	2 988
1985 ---	3 028	2 919	2 752	2 954	3 037	3 059	3 128	2 950	2 963	3 223	3 530	3 490
1986 ---	2 781	2 938	2 536	2 418	2 447	2 446	2 166	2 186	2 064	2 111	2 105	2 049
1987 ---	2 015	2 204	2 174	2 169	2 254	2 241	2 281	2 338	2 262	2 408	2 456	2 250
1988 ---	2 177	2 098	2 118	2 128	2 185	2 126	2 179	2 117	2 055	2 085	2 104	2 040
1989 ---	2 173	2 174	2 306	2 518	2 552	2 619	2 575	2 505	2 406	2 552	2 561	2 525
1990 ---	2 720	2 655	2 644	2 454	2 673	2 504	2 563	2 933	3 377	3 268	3 116	2 887
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 882	3 898	4 065	3 912	3 819	3 902	4 120	4 069	4 042	3 679	3 814	3 834
1983 ---	3 869	3 816	3 881	3 819	3 804	3 761	3 746	3 821	3 902	3 794	3 642	3 462
1984 ---	3 532	3 526	3 557	3 850	3 946	3 497	3 313	3 447	3 257	3 307	3 104	3 077
1985 ---	3 077	2 972	2 845	2 961	2 994	3 055	3 101	2 938	3 002	3 147	3 406	3 581
1986 ---	2 807	2 991	2 579	2 434	2 409	2 446	2 145	2 178	2 099	2 067	2 032	2 098
1987 ---	2 022	2 242	2 212	2 186	2 211	2 239	2 262	2 326	2 309	2 361	2 381	2 306
1988 ---	2 173	2 131	2 154	2 149	2 140	2 125	2 157	2 105	2 046	2 053	2 053	2 098
1989 ---	2 164	2 205	2 335	2 541	2 499	2 617	2 548	2 490	2 466	2 498	2 512	2 605
1990 ---	2 702	2 692	2 666	2 472	2 621	2 508	2 533	2 918	3 458	3 194	3 061	2 980
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	4	4.3	-3.8	-2.4	2.2	5.6	-1.2	-7	-9.0	3.7	5
1983 ---	9	-1.4	1.7	-1.6	-4	-1.1	-4	2.0	2.1	-2.8	-4.0	-4.9
1984 ---	2.0	-2	9	8.2	2.5	-11.4	-5.3	4.0	-5.5	1.5	-6.1	-9
1985 ---	-	-3.4	-4.3	1.1	2.0	1.5	-5.3	1.5	2.2	4.8	8.2	5.1
1986 ---	-21.6	6.6	-13.8	-5.6	-1.0	1.5	-12.3	1.5	-3.6	-1.5	-1.7	3.2
1987 ---	-3.6	10.9	-1.3	-1.2	1.1	1.0	2.8	2.8	-7	2.3	8	-3.1
1988 ---	-5.8	-1.9	1.1	-2	-4	-7	1.5	-2.5	-	-2.8	3	2.2
1989 ---	3.1	1.9	5.9	8.8	-1.7	4.7	-2.6	-2.3	-1.0	1.3	6	3.7
1990 ---	3.7	-4	-1.0	-7.3	6.0	-4.3	1.0	15.2	18.5	-7.6	-4.2	-2.6
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	9 072	8 703	8 497	7 440	6 761	6 955	7 281	7 380	7 604	7 807	8 242	7 661
1983 ---	7 787	7 676	6 718	6 218	6 004	6 200	6 827	6 719	7 409	7 357	7 392	6 745
1984 ---	6 479	7 099	6 682	7 014	7 006	7 136	7 267	7 428	7 527	7 575	7 522	6 851
1985 ---	6 685	6 669	6 685	6 660	6 790	6 667	6 647	6 345	6 232	6 307	6 439	6 433
1986 ---	6 290	5 568	5 074	4 985	5 160	4 984	4 944	4 755	4 613	4 589	4 727	4 291
1987 ---	4 625	4 534	4 572	4 582	4 617	4 675	4 861	5 203	5 091	5 071	5 265	4 970
1988 ---	4 960	4 952	4 832	5 051	5 234	5 103	5 058	4 833	4 798	4 701	4 607	4 395
1989 ---	4 743	4 826	4 803	5 029	5 301	5 350	5 415	5 168	5 276	5 314	5 208	4 676
1990 ---	5 548	5 645	5 342	5 362	5 318	5 158	5 228	5 393	6 388	6 666	6 790	6 211
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 079	8 553	8 872	7 814	6 958	7 122	7 208	7 415	7 379	7 515	7 734	7 761
1983 ---	7 812	7 578	7 014	6 532	6 163	6 336	6 749	6 750	7 211	7 113	6 953	6 852
1984 ---	6 505	7 044	6 947	7 321	7 131	7 255	7 178	7 457	7 337	7 346	7 104	6 983
1985 ---	6 701	6 663	6 927	6 911	6 865	6 750	6 569	6 356	6 093	6 143	6 128	6 586
1986 ---	6 291	5 594	5 238	5 140	5 184	5 027	4 885	4 761	4 517	4 470	4 552	4 415
1987 ---	4 626	4 566	4 698	4 682	4 615	4 694	4 808	5 209	4 993	4 948	5 114	5 139
1988 ---	4 968	4 982	4 946	5 134	5 202	5 106	5 003	4 850	4 719	4 599	4 519	4 562
1989 ---	4 748	4 840	4 901	5 087	5 242	5 340	5 362	5 203	5 194	5 209	5 125	4 869
1990 ---	5 552	5 651	5 443	5 410	5 251	5 147	5 174	5 440	6 277	6 530	6 703	6 468
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-5.8	3.7	-11.9	-11.0	2.4	1.2	2.9	-5	1.8	2.9	.3
1983 ---	7	-3.0	-7.4	-6.9	-5.6	2.8	6.5	-	6.8	-1.4	-2.2	-1.5
1984 ---	-5.1	8.3	-1.4	5.4	-2.6	1.7	-1.1	3.9	-1.6	1	-3.3	-1.7
1985 ---	-4.0	-6	4.0	-2	-7	-1.7	-2.7	-3.2	-4.1	.8	-2	7.5
1986 ---	-4.5	-11.1	-6.4	-1.9	-9	-3.0	-2.8	-2.5	-5.1	-1.0	1.8	-3.0
1987 ---	4.8	-1.3	2.9	3.8	-1.4	1.7	2.4	8.3	-4.1	-9	3.4	5
1988 ---	-3.3	1.9	7	3.8	1.3	-1.8	-2.0	-3.1	-2.7	-2.5	-1.7	1.0
1989 ---	4.1	1.9	1.3	3.8	3.0	1.9	4	-3.0	-2	3	-1.6	-5.0
1990 ---	14.0	1.8	-3.7	-6	-2.9	-2.0	.5	5.1	15.4	4.0	2.6	-3.5

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	8 168	8 271	8 386	8 517	8 363	8 171	7 878	7 681	7 538	7 634	7 467	7 596
1983 ---	7 640	7 667	7 808	8 008	7 951	7 936	7 849	7 700	7 708	7 814	7 828	7 918
1984 ---	8 076	8 345	8 676	8 706	8 916	9 086	9 039	8 986	8 801	8 803	8 684	8 741
1985 ---	8 679	8 930	9 168	9 286	9 170	9 148	9 038	8 969	8 945	8 737	8 753	9 072
1986 ---	9 220	9 486	9 645	9 634	9 548	9 356	9 228	9 037	8 969	8 827	8 951	9 178
1987 ---	9 271	9 422	9 564	9 656	9 746	9 621	9 686	9 889	9 727	9 646	9 760	9 982
1988 ---	10 067	10 184	10 469	10 628	10 685	10 642	10 710	10 704	10 831	10 874	10 964	11 145
1989 ---	11 450	11 609	11 878	11 773	11 760	11 571	11 602	11 475	11 408	11 298	11 281	11 328
1990 ---	11 468	11 436	11 434	11 333	11 498	11 263	11 360	11 267	11 491	11 704	11 729	11 886
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 169	8 187	8 086	8 098	8 072	8 004	7 860	7 848	7 779	7 927	7 814	7 749
1983 ---	7 664	7 596	7 542	7 646	7 695	7 769	7 824	7 836	7 932	8 075	8 143	8 073
1984 ---	8 120	8 281	8 415	8 359	8 660	8 907	9 005	9 112	9 029	9 092	8 994	8 907
1985 ---	8 728	8 854	8 902	8 952	8 918	8 990	9 007	9 073	9 154	9 015	9 036	9 223
1986 ---	9 262	9 408	9 397	9 337	9 315	9 240	9 201	9 118	9 142	9 090	9 200	9 298
1987 ---	9 293	9 339	9 341	9 398	9 530	9 550	9 673	9 974	9 884	9 911	10 001	10 087
1988 ---	10 070	10 087	10 249	10 374	10 461	10 609	10 710	10 797	10 982	11 146	11 199	11 244
1989 ---	11 438	11 495	11 651	11 516	11 527	11 561	11 611	11 576	11 555	11 556	11 499	11 430
1990 ---	11 452	11 329	11 223	11 092	11 280	11 265	11 373	11 363	11 629	11 952	11 940	11 995
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2	-1.2	1	-3	-8	-1.8	-2	-9	19	-1.4	-8
1983 ---	-1.1	-9	-7	14	6	10	7	2	12	18	8	-9
1984 ---	.6	2.0	1.6	-7	3.6	2.9	1.1	12	-9	7	-1.1	-1.0
1985 ---	-2.0	1.4	5	6	-4	8	2	7	9	-1.5	2	2.1
1986 ---	.4	1.6	-1	-6	-2	-8	-4	-9	-3	-6	1.2	1.1
1987 ---	-.1	5	-	6	14	2	1.3	3.1	-9	3	9	.9
1988 ---	-.2	2	1.6	12	.8	1.4	10	8	17	1.5	5	.4
1989 ---	1.7	.5	1.4	-1.2	1	3	4	-3	-2	-	-5	-6
1990 ---	2	-1.1	-9	-1.2	1.7	-1	1.0	-1	2.3	2.8	-1	.5
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 100	2 958	2 903	2 911	2 857	2 823	2 919	2 700	2 700	2 839	2 742	2 678
1983 ---	2 742	2 676	2 730	2 821	2 835	2 923	2 913	2 795	2 830	2 954	2 947	3 146
1984 ---	3 067	3 201	3 314	3 374	3 449	3 375	3 475	3 386	3 392	3 201	3 281	3 400
1985 ---	3 178	3 163	3 233	3 288	3 257	3 390	3 250	3 184	3 167	3 089	3 128	3 480
1986 ---	3 382	3 398	3 497	3 442	3 410	3 409	3 327	3 311	3 342	3 305	3 293	3 515
1987 ---	3 469	3 438	3 450	3 518	3 632	3 678	3 729	3 764	3 735	3 783	3 810	4 000
1988 ---	3 950	3 882	4 036	4 144	4 191	4 247	4 337	4 304	4 420	4 472	4 453	4 642
1989 ---	4 672	4 628	4 579	4 496	4 489	4 427	4 477	4 397	4 391	4 333	4 305	4 375
1990 ---	4 255	4 215	4 221	4 163	4 181	4 048	4 169	4 170	4 329	4 392	4 408	4 407
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 079	3 002	2 881	2 820	2 812	2 770	2 877	2 775	2 770	2 896	2 840	2 801
1983 ---	2 735	2 711	2 708	2 751	2 796	2 869	2 874	2 864	2 897	3 004	3 040	3 055
1984 ---	3 094	3 237	3 284	3 301	3 403	3 310	3 437	3 457	3 467	3 260	3 373	3 295
1985 ---	3 185	3 193	3 205	3 236	3 218	3 335	3 223	3 239	3 227	3 145	3 210	3 367
1986 ---	3 382	3 426	3 472	3 406	3 380	3 368	3 308	3 355	3 389	3 364	3 368	3 400
1987 ---	3 459	3 461	3 428	3 495	3 609	3 659	3 717	3 806	3 768	3 840	3 883	3 880
1988 ---	3 933	3 900	4 013	4 122	4 166	4 247	4 324	4 347	4 448	4 523	4 520	4 518
1989 ---	4 652	4 645	4 560	4 482	4 471	4 453	4 464	4 438	4 404	4 363	4 351	4 264
1990 ---	4 239	4 236	4 209	4 154	4 170	4 085	4 154	4 205	4 333	4 412	4 442	4 298
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.5	-4.0	-2.1	-3	-1.5	3.9	-3.5	-2	4.5	-1.9	-1.4
1983 ---	-2.4	-9	-1	1.6	1.6	2.6	2	-3	1.2	3.7	1.2	.5
1984 ---	1.3	4.6	1.5	5	3.1	-2.7	3.8	6	3	-6.0	3.5	-2.3
1985 ---	-3.3	.3	.4	1.0	-6	3.6	-3.4	5	-4	-2.5	2.1	4.9
1986 ---	.4	1.3	1.3	-1.9	-8	-4	-1.8	14	1.0	-7	.1	1.0
1987 ---	1.7	1	-1.0	2.0	3.3	1.4	1.6	24	-1.0	1.9	1.1	-1
1988 ---	1.4	-.6	2.9	2.7	1.1	1.9	1.8	5	2.3	1.7	-1	-
1989 ---	3.0	-2	-1.8	-1.7	-2	-4	2	-6	-8	-9	-3	-2.0
1990 ---	-6	-1	-6	-1.3	.4	-2.0	1.7	1.2	3.0	1.8	7	-3.2

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	1 282	1 285	1 314	1 358	1 364	1 335	1 336	1 401	1 342	1 300	1 249	1 203
1983 ---	1 236	1 202	1 113	1 235	1 153	1 201	1 267	1 296	1 313	1 330	1 381	1 282
1984 ---	1 374	1 346	1 401	1 386	1 381	1 552	1 513	1 506	1 464	1 547	1 438	1 408
1985 ---	1 439	1 432	1 414	1 390	1 394	1 381	1 454	1 440	1 515	1 441	1 430	1 402
1986 ---	1 491	1 491	1 450	1 413	1 402	1 340	1 395	1 394	1 452	1 385	1 461	1 473
1987 ---	1 437	1 454	1 432	1 383	1 360	1 391	1 395	1 524	1 515	1 465	1 488	1 579
1988 ---	1 586	1 595	1 608	1 603	1 650	1 628	1 641	1 690	1 674	1 613	1 648	1 657
1989 ---	1 693	1 647	1 742	1 712	1 707	1 659	1 686	1 706	1 703	1 708	1 699	1 627
1990 ---	1 697	1 639	1 594	1 567	1 616	1 545	1 604	1 598	1 631	1 708	1 672	1 627
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 252	1 285	1 313	1 353	1 374	1 353	1 331	1 390	1 324	1 308	1 257	1 232
1983 ---	1 206	1 204	1 115	1 237	1 165	1 216	1 257	1 281	1 284	1 336	1 385	1 320
1984 ---	1 342	1 345	1 406	1 396	1 398	1 569	1 498	1 487	1 425	1 555	1 438	1 451
1985 ---	1 404	1 432	1 423	1 410	1 411	1 398	1 442	1 422	1 469	1 447	1 429	1 439
1986 ---	1 451	1 490	1 459	1 436	1 421	1 363	1 390	1 376	1 409	1 391	1 456	1 504
1987 ---	1 395	1 451	1 439	1 404	1 375	1 424	1 401	1 507	1 477	1 474	1 478	1 603
1988 ---	1 535	1 583	1 612	1 620	1 662	1 676	1 659	1 675	1 644	1 624	1 627	1 676
1989 ---	1 635	1 630	1 745	1 726	1 718	1 717	1 714	1 693	1 681	1 721	1 672	1 635
1990 ---	1 634	1 622	1 598	1 579	1 627	1 602	1 634	1 587	1 615	1 721	1 643	1 626
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.6	2.2	3.0	1.6	-1.5	-1.6	4.4	-4.7	-1.2	-3.9	-2.0
1983 ---	-2.1	-2	-7.4	10.9	-5.8	4.4	3.4	1.9	.2	4.0	3.7	-4.7
1984 ---	1.7	2	4.5	-7	.1	12.2	-4.5	-7	-4.2	9.1	-7.5	.9
1985 ---	-3.2	2.0	-6	-9	1	-9	3.1	-1.4	3.3	-1.5	-1.2	.7
1986 ---	.8	2.7	-2.1	-1.6	-1.0	-4.1	2.0	-1.0	2.4	-1.3	4.7	3.3
1987 ---	-7.2	4.0	-8	-2.4	-2.1	3.6	-1.6	7.6	-2.0	-2	.3	8.5
1988 ---	-4.2	3.1	1.8	.5	2.6	8	-1.0	1.0	-1.9	-1.2	.2	3.0
1989 ---	-2.4	-3	7.1	-1.1	-5	-1	-2	-1.2	-7	2.4	-2.8	-2.2
1990 ---	-1	-7	-1.5	-1.2	3.0	-1.5	2.0	-2.9	1.8	6.6	-4.5	-1.0
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	3 786	4 028	4 169	4 248	4 142	4 013	3 623	3 580	3 496	3 495	3 476	3 515
1983 ---	3 662	3 789	3 965	3 952	3 963	3 812	3 669	3 609	3 565	3 530	3 500	3 490
1984 ---	3 615	3 798	3 961	3 946	4 086	4 159	4 051	4 094	3 945	4 055	3 965	3 933
1985 ---	4 062	4 335	4 521	4 608	4 519	4 377	4 334	4 345	4 263	4 207	4 195	4 190
1986 ---	4 347	4 597	4 698	4 779	4 736	4 607	4 506	4 332	4 175	4 137	4 197	4 190
1987 ---	4 365	4 530	4 682	4 755	4 754	4 552	4 562	4 601	4 477	4 398	4 462	4 403
1988 ---	4 531	4 707	4 825	4 881	4 844	4 767	4 732	4 737	4 737	4 789	4 863	4 846
1989 ---	5 085	5 334	5 557	5 565	5 564	5 485	5 439	5 372	5 314	5 257	5 277	5 326
1990 ---	5 516	5 582	5 619	5 603	5 701	5 670	5 587	5 499	5 531	5 604	5 649	5 852
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 838	3 900	3 892	3 925	3 886	3 881	3 652	3 683	3 685	3 723	3 717	3 716
1983 ---	3 723	3 681	3 719	3 658	3 734	3 684	3 693	3 691	3 751	3 735	3 718	3 698
1984 ---	3 684	3 699	3 725	3 662	3 859	4 028	4 070	4 168	4 137	4 277	4 183	4 161
1985 ---	4 139	4 229	4 274	4 306	4 289	4 257	4 342	4 412	4 458	4 423	4 397	4 417
1986 ---	4 429	4 492	4 466	4 495	4 514	4 509	4 403	4 387	4 344	4 335	4 376	4 394
1987 ---	4 439	4 427	4 474	4 499	4 546	4 467	4 555	4 661	4 639	4 597	4 640	4 604
1988 ---	4 602	4 604	4 624	4 632	4 633	4 686	4 727	4 775	4 890	4 999	5 052	5 050
1989 ---	5 151	5 220	5 346	5 308	5 338	5 391	5 433	5 445	5 470	5 472	5 476	5 531
1990 ---	5 579	5 471	5 416	5 359	5 483	5 578	5 585	5 571	5 681	5 819	5 855	6 071
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.6	-2	.8	-1.0	-1	-5.9	.8	.1	1.0	-2	-
1983 ---	2	-1.1	1.0	-1.6	2.1	-1.3	2	-1	1.6	-4	-5	-5
1984 ---	-4	.4	.7	-1.7	5.4	4.4	1.0	2.4	-7	3.4	-2.2	-5
1985 ---	-5	2.2	1.1	.7	-4	-7	2.0	1.6	1.0	-8	-6	.5
1986 ---	3	1.4	-6	.6	.4	-1	-1	-2.6	-1.0	-2	.9	.4
1987 ---	1.0	-3	1.1	.6	1.0	-1.7	2.0	2.3	-5	-9	.9	-8
1988 ---	-	-	.4	.2	-	1.1	.9	1.0	2.4	2.2	1.1	-
1989 ---	2.0	1.3	2.4	-.7	.6	1.0	.8	2	.5	-	.1	1.0
1990 ---	9	-1.9	-1.0	-1.1	2.3	1.7	1	-3	2.0	2.4	.6	3.7

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>OTHER NONDURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	16 805	17 044	17 002	17 375	17 704	17 930	17 705	17 270	16 637	16 228	15 642	15 743
1983 ---	15 992	16 090	16 151	16 490	16 837	17 440	17 517	17 396	17 060	16 905	16 648	16 999
1984 ---	17 642	17 982	18 440	18 939	19 678	20 315	20 358	20 151	19 823	19 372	18 890	18 844
1985 ---	18 868	19 426	19 380	19 898	20 097	20 427	20 261	20 057	19 612	19 060	18 565	18 856
1986 ---	19 217	19 536	19 718	20 264	20 468	20 659	20 672	20 549	20 033	19 759	19 398	19 188
1987 ---	19 878	20 064	20 256	20 618	21 090	21 243	21 261	21 032	20 785	20 389	20 185	20 487
1988 ---	20 822	21 259	21 824	22 702	23 449	23 681	23 731	23 869	23 489	22 717	22 319	22 127
1989 ---	22 425	22 469	22 655	23 038	23 664	23 830	23 976	23 709	23 473	22 928	22 799	22 407
1990 ---	22 936	23 137	23 389	23 512	24 021	24 238	24 551	24 277	23 640	22 884	22 342	22 071
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	17 261	17 321	17 028	17 060	17 036	16 993	16 912	16 841	16 718	16 729	16 537	16 571
1983 ---	16 395	16 336	16 202	16 216	16 252	16 570	16 769	16 972	17 115	17 378	17 539	17 855
1984 ---	18 079	18 255	18 532	18 647	19 037	19 351	19 513	19 651	19 832	19 865	19 840	19 763
1985 ---	19 336	19 738	19 491	19 609	19 483	19 520	19 459	19 542	19 568	19 503	19 430	19 746
1986 ---	19 693	19 867	19 856	19 984	19 838	19 798	19 887	20 012	19 940	20 188	20 228	20 085
1987 ---	20 393	20 443	20 419	20 355	20 456	20 432	20 485	20 462	20 644	20 800	20 982	21 432
1988 ---	21 364	21 688	22 011	22 432	22 737	22 808	22 880	23 208	23 301	23 144	23 152	23 142
1989 ---	23 032	22 953	22 855	22 796	22 970	22 983	23 127	23 028	23 275	23 353	23 633	23 413
1990 ---	23 547	23 648	23 605	23 277	23 307	23 373	23 692	23 566	23 428	23 289	23 115	23 072
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	3	-1.7	2	-1	-3	-5	-4	-7	1	-11	2
1983 ---	-1.1	-4	-8	1	2	20	12	12	-8	1.5	9	1.8
1984 ---	1.3	10	1.5	6	2.1	16	8	7	9	2	-1	-4
1985 ---	-2.2	2.1	-1.3	6	-6	1	-3	4	1	-3	-1	1.6
1986 ---	-3	9	-1	6	-7	-2	-4	6	-4	12	2	-7
1987 ---	1.5	2	-1	-3	5	-1	3	-1	-9	8	9	2.1
1988 ---	-3	1.5	1.5	19	1.4	-3	3	14	4	-7	-	-
1989 ---	-5	-3	-4	-3	8	1	6	-4	1.1	-3	1.2	-9
1990 ---	6	4	-2	-14	1	3	14	-5	-6	-6	-7	-2
<b>OTHER NONDURABLE GOODS INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982 ---	6 727	6 989	6 992	6 973	6 927	7 042	6 929	6 907	6 659	6 468	6 336	6 426
1983 ---	6 352	6 395	6 414	6 341	6 347	6 542	6 575	6 740	6 607	6 566	6 580	6 837
1984 ---	7 028	7 225	7 414	7 432	7 584	7 773	8 041	8 078	7 996	7 822	7 701	7 531
1985 ---	7 729	7 932	7 919	7 915	7 832	8 011	7 993	8 025	7 861	7 646	7 143	7 294
1986 ---	7 348	7 452	7 450	7 450	7 398	7 364	7 675	7 571	7 467	7 266	7 184	7 329
1987 ---	7 588	7 551	7 588	7 790	7 706	7 859	7 953	8 056	7 949	7 876	7 750	7 960
1988 ---	8 164	8 258	8 420	8 638	8 718	8 713	9 078	9 110	9 038	8 847	8 704	8 698
1989 ---	8 803	8 788	8 724	8 640	8 700	8 645	8 827	8 646	8 316	8 155	7 936	7 640
1990 ---	7 865	7 852	7 950	7 796	7 746	7 842	8 044	8 067	7 921	7 723	7 668	7 660
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 795	6 993	6 891	6 882	6 850	6 865	6 743	6 784	6 663	6 640	6 615	6 613
1983 ---	6 411	6 393	6 331	6 282	6 303	6 397	6 394	6 600	6 590	6 723	6 855	7 035
1984 ---	7 092	7 230	7 338	7 382	7 555	7 635	7 808	7 872	7 936	7 974	8 005	7 756
1985 ---	7 804	7 960	7 863	7 871	7 818	7 896	7 752	7 806	7 785	7 773	7 415	7 511
1986 ---	7 401	7 483	7 415	7 411	7 394	7 284	7 439	7 359	7 389	7 366	7 446	7 556
1987 ---	7 643	7 601	7 582	7 743	7 692	7 780	7 701	7 826	7 871	7 977	8 013	8 208
1988 ---	8 224	8 319	8 425	8 578	8 702	8 641	8 792	8 838	8 956	8 938	8 973	8 975
1989 ---	8 878	8 865	8 740	8 584	8 685	8 568	8 551	8 383	8 257	8 239	8 168	7 862
1990 ---	7 914	7 917	7 966	7 758	7 747	7 788	7 803	7 817	7 869	7 791	7 884	7 887
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.9	-1.5	-1	-5	2	-1.8	6	-1.8	-3	-4	-
1983 ---	-3.1	-3	-10	-8	3	1.5	-	3.2	-2	20	20	2.6
1984 ---	8	1.9	1.5	6	2.3	1.1	2.3	8	8	5	4	-3.1
1985 ---	6	2.0	-1.2	-1	-7	10	-1.8	7	-3	-2	-4.6	1.3
1986 ---	-1.5	1.1	-9	-2	-2	-1.5	2.1	-11	4	-3	11	1.5
1987 ---	1.2	-5	-2	2.1	-7	1.1	-10	16	6	1.3	5	2.4
1988 ---	2	1.2	1.3	1.8	1.4	1.7	5	17	1.3	-2	4	-
1989 ---	-1.1	-1	-14	-18	1.2	-1.3	-2	-20	-1.5	-2	-9	-3.7
1990 ---	7	-	6	-2.6	-1	5	2	2	7	-10	12	-

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>OTHER NONDURABLE GOODS INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	3 578	3 478	3 424	3 621	3 679	3 623	3 707	3 683	3 521	3 523	3 392	3 285
1983	3 488	3 549	3 515	3 713	3 703	3 714	3 931	3 964	3 875	3 838	3 782	3 613
1984	3 875	3 981	4 079	4 198	4 182	4 047	4 108	4 081	3 938	3 908	3 921	3 880
1985	3 792	4 014	4 040	4 109	4 061	3 856	3 946	4 159	4 073	3 960	4 055	3 951
1986	4 147	4 237	4 133	4 255	4 196	4 255	4 209	4 219	4 108	4 215	4 162	4 210
1987	4 337	4 602	4 741	4 751	4 812	4 718	4 677	4 635	4 677	4 580	4 608	4 484
1988	4 488	4 620	4 853	4 987	4 997	4 959	4 902	5 002	4 951	4 843	4 873	4 778
1989	4 892	5 091	5 227	5 295	5 262	5 395	5 565	5 639	5 665	5 663	5 576	5 345
1990	5 484	5 612	5 651	5 825	5 702	5 533	5 775	5 903	5 647	5 495	5 407	5 207
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	3 694	3 536	3 446	3 522	3 561	3 591	3 564	3 548	3 520	3 567	3 509	3 481
1983	3 581	3 588	3 526	3 603	3 587	3 683	3 801	3 849	3 890	3 896	3 898	3 821
1984	3 971	4 001	4 076	4 065	4 055	4 013	3 993	3 991	3 961	3 972	4 023	4 096
1985	3 881	4 004	4 004	3 976	3 951	3 821	3 865	4 096	4 096	4 035	4 148	4 154
1986	4 244	4 212	4 070	4 123	4 097	4 224	4 143	4 174	4 119	4 289	4 239	4 421
1987	4 448	4 582	4 664	4 621	4 702	4 674	4 610	4 583	4 673	4 649	4 686	4 707
1988	4 619	4 608	4 770	4 865	4 896	4 921	4 825	4 935	4 927	4 897	4 945	5 024
1989	5 045	5 099	5 133	5 172	5 162	5 366	5 465	5 546	5 633	5 719	5 654	5 621
1990	5 660	5 625	5 541	5 698	5 618	5 535	5 667	5 788	5 607	5 540	5 478	5 487
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-4.3	-2.5	2.2	1.1	.8	-.8	-.4	-.8	1.3	-1.6	-.8
1983	2.9	.2	-1.7	2.2	-.4	2.7	3.2	1.3	1.1	.2	1	-2.0
1984	3.9	.8	1.9	-.3	-.2	-1.0	-.5	-.1	-.8	.3	1.3	1.8
1985	-5.2	3.2	-.7	-.6	-.6	-3.3	1.2	6.0	-.1	-1.5	2.8	-.1
1986	2.2	-.8	-3.4	1.3	-.6	3.1	-1.9	.7	-1.3	4.1	-1.2	4.3
1987	6	3.0	1.8	-.9	1.8	-.6	-1.4	-.6	2.0	-.5	.8	.4
1988	-1.9	-.2	3.5	2.0	.6	.5	-2.0	2.3	-.2	-.6	1.0	1.6
1989	4	1.1	.7	.8	-.2	4.0	1.8	1.5	1.6	1.5	-1.1	-.6
1990	7	-.6	-1.5	2.8	-1.4	-1.5	2.4	2.1	-3.1	-1.2	-1.1	.2
<b>OTHER NONDURABLE GOODS INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Without Seasonal Adjustment—Millions of Dollars</b>												
1982	6 500	6 577	6 586	6 781	7 098	7 265	7 069	6 680	6 457	6 237	5 914	6 032
1983	6 152	6 146	6 222	6 436	6 787	7 184	7 011	6 692	6 578	6 501	6 286	6 549
1984	6 739	6 776	6 947	7 309	7 912	8 495	8 209	7 992	7 889	7 642	7 268	7 433
1985	7 348	7 480	7 421	7 874	8 204	8 560	8 322	7 873	7 678	7 454	7 367	7 611
1986	7 722	7 847	8 135	8 559	8 874	9 040	8 788	8 759	8 458	8 278	8 052	7 649
1987	7 953	7 911	7 927	8 077	8 572	8 666	8 631	8 341	8 159	7 933	7 827	8 043
1988	8 170	8 381	8 551	9 077	9 734	10 009	9 751	9 757	9 500	9 027	8 742	8 651
1989	8 730	8 590	8 704	9 103	9 702	9 790	9 584	9 424	9 492	9 110	9 287	9 422
1990	9 587	9 673	9 788	9 891	10 573	10 863	10 732	10 307	10 072	9 666	9 267	9 204
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	6 772	6 792	6 691	6 656	6 625	6 537	6 605	6 509	6 535	6 522	6 413	6 477
1983	6 403	6 355	6 345	6 331	6 362	6 490	6 574	6 523	6 635	6 759	6 786	6 999
1984	7 016	7 024	7 118	7 200	7 427	7 703	7 712	7 788	7 935	7 919	7 812	7 911
1985	7 651	7 774	7 624	7 762	7 714	7 803	7 842	7 640	7 687	7 695	7 867	8 081
1986	8 048	8 172	8 371	8 450	8 347	8 290	8 305	8 479	8 432	8 533	8 543	8 108
1987	8 302	8 260	8 173	7 991	8 062	7 978	8 174	8 053	8 100	8 174	8 283	8 517
1988	8 521	8 761	8 816	8 989	9 139	9 246	9 263	9 435	9 418	9 309	9 234	9 143
1989	9 109	8 989	8 982	9 040	9 123	9 049	9 111	9 099	9 385	9 395	9 811	9 930
1990	9 973	10 106	10 098	9 821	9 942	10 050	10 222	9 961	9 952	9 958	9 753	9 698
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	.3	-1.5	-.5	-.5	-1.3	1.0	-1.5	.4	-.2	-1.7	1.0
1983	-1.1	-.7	-.2	-.2	.5	2.0	1.3	-.8	1.7	1.9	.4	3.1
1984	2	.1	1.3	1.2	3.2	3.7	1	1.0	1.9	-.2	-1.4	1.3
1985	-3.3	1.6	-1.9	1.8	-.6	1.2	.5	-2.6	.6	.1	2.2	2.7
1986	-.4	1.5	2.4	.9	-.1	-.7	2	2.1	-.6	1.2	.1	-5.1
1987	2.4	-.5	-1.1	-2.2	.9	-1.0	2.5	-1.5	.6	.9	1.3	2.8
1988	-.1	2.8	.6	2.0	1.7	1.2	.2	1.9	-.2	-1.2	-.8	-1.0
1989	-.4	-1.3	-.1	.6	.9	-.8	.7	-.1	3.1	.1	4.4	1.2
1990	4	1.3	-.1	-2.7	1.2	1.1	1.7	-2.6	-.1	1	-2.1	-.6

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1990—Con.**

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Note Data in this table may differ from annual data at the aggregate level shown in appendix D, table 2 because of independent rounding

- Represents no change (NA) Not available



Table 6. **Ratio of Manufacturers' Inventories to Shipments, by Major Industry Groups: 1982-1990**

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—INVENTORY/SHIPMENTS</b>												
1982 ---	1.97	1.94	1.95	1.95	1.91	1.92	1.93	1.95	1.94	1.99	1.98	1.97
1983 ---	1.90	1.89	1.85	1.83	1.80	1.76	1.76	1.75	1.73	1.73	1.70	1.67
1984 ---	1.67	1.78	1.69	1.70	1.72	1.73	1.73	1.74	1.79	1.77	1.76	1.75
1985 ---	1.76	1.76	1.74	1.75	1.73	1.75	1.74	1.72	1.73	1.71	1.69	1.72
1986 ---	1.67	1.69	1.73	1.69	1.70	1.69	1.69	1.68	1.66	1.66	1.67	1.62
1987 ---	1.64	1.60	1.60	1.61	1.61	1.59	1.57	1.60	1.57	1.57	1.58	1.59
1988 ---	1.59	1.60	1.58	1.58	1.58	1.57	1.57	1.57	1.57	1.58	1.58	1.56
1989 ---	1.56	1.59	1.61	1.58	1.60	1.61	1.65	1.60	1.61	1.63	1.62	1.62
1990 ---	1.66	1.62	1.59	1.62	1.59	1.57	1.59	1.54	1.58	1.55	1.60	1.64
<b>Durable Goods Industries, Total—Inventory/Shipments</b>												
1982 ---	2.64	2.57	2.55	2.56	2.52	2.55	2.54	2.60	2.61	2.70	2.68	2.65
1983 ---	2.50	2.49	2.43	2.40	2.37	2.29	2.28	2.27	2.20	2.19	2.15	2.09
1984 ---	2.09	2.09	2.14	2.15	2.16	2.16	2.17	2.17	2.24	2.21	2.19	2.20
1985 ---	2.02	2.02	2.20	2.22	2.18	2.20	2.19	2.15	2.17	2.13	2.12	2.16
1986 ---	2.08	2.23	2.16	2.07	2.11	2.08	2.07	2.10	2.07	2.05	2.08	2.00
1987 ---	2.05	1.98	1.98	2.01	1.98	1.99	1.97	2.01	1.96	1.95	1.96	1.97
1988 ---	1.99	1.99	1.96	1.95	1.95	1.94	1.96	1.95	1.94	1.94	1.95	1.92
1989 ---	1.93	1.98	2.02	1.98	2.01	2.03	2.11	1.98	2.01	2.06	2.04	2.03
1990 ---	2.15	2.03	2.00	2.05	1.99	1.96	2.01	1.95	2.03	2.00	2.09	2.13
<b>Stone, Clay, and Glass Products, Total—Inventory/Shipments</b>												
1982 ---	1.82	1.84	1.79	1.83	1.77	1.80	1.79	1.83	1.81	1.82	1.83	1.78
1983 ---	1.64	1.74	1.73	1.70	1.67	1.61	1.66	1.59	1.55	1.57	1.56	1.58
1984 ---	1.56	1.48	1.54	1.56	1.56	1.58	1.55	1.55	1.59	1.56	1.54	1.51
1985 ---	1.59	1.58	1.58	1.54	1.54	1.55	1.53	1.52	1.51	1.49	1.49	1.47
1986 ---	1.37	1.44	1.41	1.41	1.42	1.42	1.42	1.47	1.40	1.42	1.44	1.44
1987 ---	1.44	1.37	1.39	1.40	1.42	1.44	1.40	1.47	1.40	1.28	1.38	1.37
1988 ---	1.42	1.39	1.39	1.39	1.39	1.38	1.40	1.38	1.38	1.40	1.38	1.37
1989 ---	1.38	1.44	1.52	1.41	1.47	1.45	1.48	1.46	1.48	1.46	1.47	1.46
1990 ---	1.44	1.44	1.45	1.47	1.44	1.44	1.45	1.48	1.52	1.57	1.62	1.69
<b>Primary Metals Industries, Total—Inventory/Shipments</b>												
1982 ---	2.78	2.84	2.97	2.92	2.98	3.04	3.13	3.14	3.11	3.28	3.33	3.14
1983 ---	2.96	2.95	2.73	2.70	2.59	2.52	2.44	2.47	2.34	2.29	2.23	2.02
1984 ---	2.21	2.19	2.16	2.24	2.30	2.24	2.29	2.32	2.44	2.33	2.34	2.42
1985 ---	2.31	2.29	2.34	2.25	2.23	2.24	2.21	2.16	2.21	2.23	2.18	2.19
1986 ---	2.12	2.12	2.08	2.12	2.12	2.17	2.20	2.17	2.06	2.04	2.11	2.11
1987 ---	2.12	1.97	1.95	1.93	1.86	1.81	1.75	1.72	1.72	1.64	1.59	1.59
1988 ---	1.71	1.75	1.69	1.69	1.66	1.59	1.67	1.66	1.65	1.67	1.66	1.67
1989 ---	1.67	1.73	1.76	1.81	1.81	1.82	1.86	1.85	1.83	1.86	1.89	1.95
1990 ---	1.88	1.93	1.85	1.88	1.88	1.88	1.86	1.89	1.95	1.91	2.00	2.06
<b>Fabricated Metal Products, Total—Inventory/Shipments</b>												
1982 ---	2.44	2.39	2.33	2.32	2.26	2.29	2.24	2.29	2.34	2.41	2.30	2.27
1983 ---	2.19	2.19	2.17	2.15	2.10	2.09	2.12	2.10	2.00	1.96	1.97	1.95
1984 ---	1.90	1.92	1.96	1.95	1.98	1.98	1.93	1.97	2.03	2.01	1.95	2.00
1985 ---	1.94	2.00	1.97	1.98	1.92	1.95	1.83	1.83	1.84	1.88	1.85	1.93
1986 ---	1.89	1.91	1.98	1.90	1.92	1.89	1.88	1.88	1.85	1.83	1.84	1.83
1987 ---	1.85	1.76	1.80	1.81	1.80	1.81	1.82	1.82	1.84	1.87	1.81	1.84
1988 ---	1.82	1.83	1.82	1.82	1.80	1.73	1.82	1.84	1.84	1.81	1.78	1.76
1989 ---	1.71	1.73	1.73	1.70	1.72	1.68	1.68	1.64	1.62	1.61	1.60	1.58
1990 ---	1.67	1.63	1.57	1.61	1.54	1.54	1.58	1.56	1.55	1.57	1.62	1.58
<b>Industrial Machinery and Equipment, Total—Inventory/Shipments</b>												
1982 ---	3.03	2.95	2.98	3.18	3.18	3.25	3.30	3.29	3.27	3.49	3.38	3.41
1983 ---	3.32	3.42	3.27	3.20	3.19	3.09	2.94	2.95	2.96	2.87	2.84	2.73
1984 ---	2.66	2.65	2.68	2.67	2.60	2.66	2.66	2.70	2.67	2.65	2.65	2.71
1985 ---	2.79	2.75	2.63	2.73	2.65	2.66	2.68	2.66	2.64	2.58	2.49	2.56
1986 ---	2.51	2.49	2.52	2.43	2.53	2.40	2.53	2.50	2.50	2.54	2.48	2.41
1987 ---	2.37	2.39	2.41	2.39	2.40	2.37	2.25	2.36	2.25	2.26	2.28	2.25
1988 ---	2.26	2.27	2.25	2.22	2.22	2.22	2.19	2.22	2.19	2.23	2.26	2.25
1989 ---	2.26	2.26	2.28	2.23	2.21	2.18	2.30	2.23	2.24	2.26	2.24	2.19
1990 ---	2.22	2.24	2.13	2.24	2.24	2.20	2.28	2.19	2.22	2.16	2.18	2.18
<b>Electronic and Other Electrical Equipment, Total—Inventory/Shipments</b>												
1982 ---	2.53	2.46	2.44	2.40	2.40	2.40	2.36	2.45	2.44	2.50	2.48	2.46
1983 ---	2.37	2.32	2.27	2.27	2.25	2.23	2.30	2.24	2.17	2.19	2.13	2.18
1984 ---	2.08	2.13	2.11	2.15	2.09	2.13	2.17	2.16	2.25	2.26	2.30	2.21
1985 ---	2.33	2.35	2.35	2.37	2.33	2.34	2.33	2.32	2.37	2.23	2.16	2.25
1986 ---	2.25	2.20	2.21	2.18	2.20	2.19	2.16	2.18	2.13	2.09	2.11	2.03
1987 ---	2.11	2.06	2.07	2.07	2.09	2.03	2.00	2.03	2.01	2.02	2.07	2.01
1988 ---	1.98	1.98	1.96	1.94	1.94	1.94	1.94	1.92	1.89	1.96	1.97	1.98
1989 ---	1.91	1.99	1.94	1.92	1.91	1.93	1.97	1.91	1.92	1.95	1.91	1.90
1990 ---	1.91	1.85	1.88	1.89	1.82	1.84	1.84	1.84	1.86	1.80	1.81	1.82
<b>Transportation Equipment, Total—Inventory/Shipments</b>												
1982 ---	2.70	2.53	2.44	2.40	2.25	2.26	2.26	2.39	2.43	2.52	2.63	2.57
1983 ---	2.32	2.23	2.20	2.19	2.18	2.02	2.03	2.03	1.96	1.98	1.94	1.86
1984 ---	1.85	1.89	1.96	2.00	2.07	2.02	2.03	2.03	1.99	2.08	2.02	2.02
1985 ---	2.00	2.04	2.02	2.07	2.05	2.09	2.07	1.97	2.00	1.96	2.02	2.02
1986 ---	1.92	2.01	2.17	2.00	2.04	2.02	1.92	1.99	2.03	1.95	2.05	1.82
1987 ---	1.96	1.86	1.85	1.94	1.96	1.96	2.05	2.08	1.97	1.98	2.04	2.07
1988 ---	2.03	2.05	2.05	2.05	2.02	2.06	2.06	2.08	2.01	1.97	2.03	1.96
1989 ---	1.99	2.09	2.19	2.08	2.20	2.29	2.49	2.07	2.17	2.37	2.29	2.33
1990 ---	2.90	2.34	2.26	2.36	2.24	2.10	2.27	2.07	2.29	2.24	2.54	2.74



Table 6. **Ratio of Manufacturers' Inventories to Shipments, by Major Industry Groups: 1982-1990—Con.**

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—INVENTORY/SHIPMENTS—Con.</b>												
<b>Durable Goods Industries, Total—Inventory/Shipments—Con.</b>												
<b>Instruments and Related Products, Total—Inventory/Shipments</b>												
1982 ---	2.88	2.80	2.77	2.75	2.68	2.71	2.70	2.70	2.66	2.77	2.75	2.73
1983 ---	2.62	2.64	2.62	2.62	2.67	2.55	2.54	2.63	2.53	2.51	2.48	2.45
1984 ---	2.50	2.56	2.48	2.46	2.46	2.54	2.55	2.57	2.61	2.64	2.63	2.58
1985 ---	2.61	2.58	2.66	2.66	2.60	2.67	2.66	2.63	2.71	2.67	2.63	2.64
1986 ---	2.61	2.59	2.65	2.61	2.65	2.63	2.61	2.61	2.63	2.58	2.62	2.61
1987 ---	2.67	2.56	2.50	2.55	2.58	2.53	2.53	2.52	2.55	2.58	2.58	2.58
1988 ---	2.68	2.60	2.51	2.43	2.53	2.40	2.38	2.46	2.36	2.47	2.48	2.46
1989 ---	2.52	2.61	2.65	2.75	2.65	2.73	2.78	2.68	2.64	2.63	2.59	2.48
1990 ---	2.50	2.53	2.57	2.55	2.45	2.52	2.50	2.49	2.52	2.46	2.43	2.48
<b>Nondurable Goods Industries, Total—Inventory/Shipments</b>												
1982 ---	1.35	1.34	1.37	1.36	1.33	1.32	1.34	1.34	1.32	1.34	1.35	1.35
1983 ---	1.33	1.33	1.30	1.28	1.26	1.25	1.26	1.25	1.25	1.26	1.24	1.23
1984 ---	1.23	1.25	1.24	1.24	1.27	1.28	1.27	1.29	1.30	1.30	1.29	1.26
1985 ---	1.26	1.26	1.24	1.25	1.24	1.25	1.25	1.24	1.25	1.25	1.22	1.24
1986 ---	1.21	1.24	1.26	1.25	1.24	1.23	1.25	1.22	1.20	1.21	1.20	1.19
1987 ---	1.20	1.17	1.17	1.17	1.16	1.15	1.14	1.16	1.15	1.15	1.15	1.16
1988 ---	1.16	1.17	1.16	1.16	1.16	1.16	1.15	1.16	1.16	1.16	1.16	1.15
1989 ---	1.14	1.14	1.15	1.14	1.15	1.15	1.16	1.17	1.17	1.16	1.17	1.16
1990 ---	1.16	1.16	1.15	1.14	1.14	1.14	1.14	1.10	1.11	1.10	1.10	1.15
<b>Food and Kindred Products, Total—Inventory/Shipments</b>												
1982 ---	1.01	.98	.99	1.00	.97	.95	.99	1.00	.97	1.00	.98	1.00
1983 ---	.99	.97	.96	.97	.94	.94	.96	.95	.96	.97	.96	.95
1984 ---	.95	.98	.96	.94	.98	.97	.96	.96	.97	.94	.95	.93
1985 ---	.93	.93	.92	.94	.93	.94	.94	.95	.94	.96	.91	.93
1986 ---	.90	.92	.93	.93	.91	.91	.92	.90	.88	.88	.88	.88
1987 ---	.90	.88	.89	.88	.90	.90	.87	.89	.89	.89	.89	.89
1988 ---	.88	.90	.89	.88	.89	.88	.86	.88	.87	.88	.88	.88
1989 ---	.86	.86	.84	.86	.84	.85	.86	.83	.85	.83	.83	.84
1990 ---	.84	.83	.82	.83	.82	.82	.83	.83	.84	.84	.83	.83
<b>Tobacco Products—Inventory/Shipments</b>												
1982 ---	4.06	4.79	6.05	4.88	5.61	5.57	5.23	5.10	4.76	4.77	5.79	5.62
1983 ---	4.63	5.37	5.27	5.33	5.49	5.41	5.00	5.41	5.02	4.79	4.83	4.36
1984 ---	4.39	4.37	4.45	4.19	4.42	4.62	3.78	4.18	4.64	4.50	5.08	4.65
1985 ---	3.95	3.98	4.18	4.14	4.03	3.87	3.89	3.96	4.04	4.21	4.13	3.57
1986 ---	4.50	3.58	3.59	3.62	3.57	3.23	3.31	3.30	3.54	3.96	3.36	3.06
1987 ---	4.00	3.24	3.35	3.66	3.16	3.25	3.25	3.21	2.79	3.39	2.85	2.71
1988 ---	3.10	3.00	2.79	2.94	2.51	2.84	2.73	2.81	2.36	2.79	2.46	2.46
1989 ---	2.43	2.50	2.31	2.25	2.44	2.46	2.68	2.46	2.27	2.19	2.31	2.29
1990 ---	2.34	2.45	2.42	2.07	2.24	2.56	2.19	2.10	2.21	2.11	1.87	2.91
<b>Textile Mill Products, Total—Inventory/Shipments</b>												
1982 ---	1.84	1.78	1.73	1.76	1.73	1.70	1.76	1.70	1.71	1.68	1.69	1.63
1983 ---	1.67	1.64	1.59	1.57	1.56	1.55	1.54	1.55	1.60	1.57	1.61	1.53
1984 ---	1.53	1.55	1.58	1.59	1.64	1.70	1.74	1.75	1.75	1.80	1.78	1.74
1985 ---	1.76	1.76	1.69	1.69	1.65	1.66	1.63	1.61	1.60	1.58	1.58	1.61
1986 ---	1.52	1.57	1.61	1.57	1.60	1.58	1.52	1.46	1.48	1.43	1.45	1.44
1987 ---	1.47	1.46	1.47	1.47	1.45	1.43	1.40	1.45	1.46	1.47	1.48	1.55
1988 ---	1.53	1.54	1.54	1.51	1.53	1.53	1.56	1.57	1.49	1.57	1.52	1.43
1989 ---	1.43	1.44	1.45	1.47	1.51	1.51	1.54	1.55	1.56	1.56	1.55	1.73
1990 ---	1.63	1.66	1.66	1.70	1.68	1.68	1.74	1.72	1.78	1.76	1.72	1.77
<b>Paper and Allied Products, Total—Inventory/Shipments</b>												
1982 ---	1.31	1.34	1.35	1.38	1.38	1.39	1.38	1.36	1.37	1.38	1.39	1.40
1983 ---	1.32	1.35	1.31	1.25	1.28	1.26	1.25	1.25	1.24	1.23	1.23	1.21
1984 ---	1.21	1.20	1.19	1.22	1.21	1.20	1.23	1.25	1.27	1.28	1.29	1.27
1985 ---	1.32	1.29	1.30	1.32	1.27	1.29	1.28	1.29	1.29	1.32	1.24	1.31
1986 ---	1.25	1.25	1.27	1.23	1.24	1.22	1.23	1.21	1.19	1.20	1.21	1.20
1987 ---	1.22	1.19	1.22	1.23	1.23	1.21	1.17	1.20	1.18	1.16	1.15	1.16
1988 ---	1.15	1.16	1.16	1.14	1.13	1.13	1.13	1.13	1.15	1.15	1.17	1.15
1989 ---	1.14	1.16	1.16	1.15	1.17	1.19	1.21	1.24	1.22	1.22	1.21	1.24
1990 ---	1.24	1.24	1.22	1.24	1.22	1.24	1.22	1.21	1.22	1.23	1.23	1.28
<b>Chemicals and Allied Products, Total—Inventory/Shipments</b>												
1982 ---	1.73	1.71	1.73	1.70	1.69	1.69	1.73	1.70	1.70	1.77	1.73	1.71
1983 ---	1.66	1.62	1.61	1.60	1.54	1.50	1.52	1.52	1.44	1.46	1.47	1.46
1984 ---	1.46	1.48	1.48	1.48	1.50	1.51	1.51	1.54	1.58	1.57	1.56	1.52
1985 ---	1.51	1.53	1.51	1.52	1.54	1.53	1.56	1.56	1.55	1.55	1.57	1.52
1986 ---	1.50	1.50	1.56	1.50	1.52	1.54	1.54	1.47	1.45	1.46	1.46	1.46
1987 ---	1.43	1.41	1.41	1.38	1.32	1.32	1.32	1.31	1.31	1.31	1.31	1.32
1988 ---	1.33	1.33	1.31	1.29	1.30	1.29	1.28	1.28	1.30	1.29	1.29	1.29
1989 ---	1.30	1.32	1.37	1.34	1.35	1.35	1.33	1.38	1.39	1.38	1.38	1.34
1990 ---	1.36	1.34	1.33	1.33	1.33	1.32	1.32	1.26	1.28	1.29	1.29	1.35
<b>Petroleum and Coal Products, Total—Inventory/Shipments</b>												
1982 ---	.99	1.00	1.11	1.02	.94	.94	.96	1.01	.99	.99	1.04	1.06
1983 ---	1.10	1.14	1.04	1.01	.98	.96	.97	.95	1.00	1.02	.96	.97
1984 ---	.95	.95	.93	.98	.99	1.01	1.01	1.03	1.02	1.01	.97	.96
1985 ---	.97	.92	.92	.91	.92	.92	.92	.89	.90	.88	.90	.95
1986 ---	.89	.98	1.03	1.01	.98	1.06	1.05	1.05	.99	1.01	.99	.94
1987 ---	.90	.89	.89	.87	.86	.85	.81	.89	.87	.87	.91	.91
1988 ---	.90	.90	.89	.90	.91	.88	.87	.86	.89	.87	.86	.85
1989 ---	.86	.86	.84	.83	.84	.86	.88	.90	.87	.84	.88	.85
1990 ---	.83	.86	.89	.88	.86	.84	.85	.72	.74	.69	.74	.83



Table 6. **Ratio of Manufacturers' Inventories to Shipments, by Major Industry Groups:**  
**1982-1990—Con.**

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—INVENTORY/SHIPMENTS—Con.</b>												
<b>Nondurable Goods Industries, Total—Inventory/Shipments—Con.</b>												
<b>Rubber and Miscellaneous Plastics Products, Total—Inventory/Shipments</b>												
1982 ---	1.71	1.72	1.70	1.72	1.69	1.64	1.61	1.63	1.60	1.67	1.70	1.66
1983 ---	1.59	1.60	1.59	1.54	1.52	1.50	1.48	1.46	1.45	1.44	1.42	1.36
1984 ---	1.43	1.43	1.42	1.39	1.45	1.48	1.46	1.45	1.45	1.48	1.41	1.39
1985 ---	1.39	1.40	1.42	1.44	1.41	1.48	1.40	1.47	1.46	1.41	1.38	1.46
1986 ---	1.44	1.48	1.48	1.43	1.44	1.40	1.47	1.41	1.36	1.36	1.37	1.36
1987 ---	1.35	1.29	1.26	1.32	1.34	1.33	1.41	1.41	1.36	1.33	1.30	1.38
1988 ---	1.35	1.33	1.33	1.35	1.34	1.37	1.40	1.34	1.37	1.37	1.37	1.36
1989 ---	1.36	1.42	1.48	1.42	1.42	1.44	1.45	1.49	1.52	1.57	1.56	1.52
1990 ---	1.57	1.54	1.42	1.47	1.54	1.47	1.42	1.44	1.49	1.50	1.57	1.62

(NA) Not available.



**Table 7. Ratio of Manufacturers' Unfilled Orders to Shipments, by Major Industry Groups: 1982-1990**

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—UNFILLED ORDERS/SHIPMENTS</b>												
1982 ---	3.85	3.75	3.77	3.81	3.72	3.73	3.71	3.71	3.70	3.82	3.79	3.84
1983 ---	3.77	3.79	3.74	3.71	3.68	3.62	3.65	3.64	3.61	3.64	3.61	3.53
1984 ---	3.59	3.63	3.71	3.70	3.69	3.66	3.69	3.65	3.70	3.62	3.62	3.60
1985 ---	3.66	3.66	3.62	3.64	3.59	3.64	3.64	3.62	3.70	3.66	3.58	3.67
1986 ---	3.67	3.69	3.79	3.68	3.71	3.62	3.65	3.65	3.64	3.61	3.62	3.59
1987 ---	3.65	3.55	3.54	3.61	3.64	3.64	3.64	3.72	3.64	3.65	3.65	3.64
1988 ---	3.68	3.70	3.66	3.64	3.63	3.61	3.64	3.63	3.60	3.64	3.63	3.62
1989 ---	3.65	3.71	3.79	3.75	3.76	3.80	3.89	3.75	3.79	3.86	3.88	3.95
1990 ---	4.03	3.90	3.89	3.96	3.90	3.85	3.91	3.83	3.93	3.92	3.94	4.04
<b>Durable Goods Industries, Total—Unfilled Orders/Shipments</b>												
1982 ---	4.66	4.56	4.58	4.62	4.51	4.54	4.52	4.55	4.53	4.72	4.68	4.74
1983 ---	4.64	4.67	4.59	4.57	4.52	4.43	4.47	4.46	4.38	4.45	4.40	4.29
1984 ---	4.36	4.41	4.51	4.51	4.50	4.47	4.49	4.44	4.52	4.40	4.39	4.37
1985 ---	4.46	4.46	4.42	4.43	4.38	4.43	4.42	4.39	4.52	4.44	4.36	4.47
1986 ---	4.48	4.50	4.65	4.49	4.52	4.45	4.46	4.50	4.48	4.43	4.45	4.40
1987 ---	4.48	4.35	4.33	4.41	4.48	4.47	4.47	4.57	4.44	4.47	4.46	4.44
1988 ---	4.52	4.53	4.46	4.47	4.44	4.40	4.45	4.44	4.38	4.44	4.43	4.42
1989 ---	4.45	4.56	4.63	4.59	4.60	4.64	4.78	4.57	4.62	4.74	4.77	4.80
1990 ---	4.96	4.78	4.77	4.88	4.78	4.71	4.80	4.68	4.83	4.80	4.86	4.97
<b>Stone, Clay, and Glass Products, Total—Unfilled Orders/Shipments</b>												
1982 ---	.96	.91	.86	.87	.85	.85	.84	.85	.88	.85	.87	.84
1983 ---	.79	.85	.87	.87	.89	.89	.92	.90	.90	.91	.90	.90
1984 ---	.94	.93	1.00	1.03	1.04	1.01	1.01	1.02	1.04	1.02	1.02	1.02
1985 ---	1.08	1.10	1.08	1.07	1.08	1.07	1.07	1.08	1.07	1.17	1.12	1.16
1986 ---	1.13	1.21	1.23	1.19	1.18	1.21	1.21	1.23	1.20	1.23	1.23	1.22
1987 ---	1.17	1.13	1.15	1.16	1.16	1.16	1.14	1.22	1.16	1.04	1.11	1.08
1988 ---	1.17	1.15	1.14	1.16	1.16	1.19	1.22	1.20	1.18	1.19	1.19	1.14
1989 ---	1.13	1.18	1.21	1.11	1.15	1.11	1.11	1.05	1.07	1.06	1.08	1.08
1990 ---	1.05	1.03	1.01	1.06	1.03	1.03	1.05	1.09	1.13	1.17	1.14	1.19
<b>Primary Metals Industries, Total—Unfilled Orders/Shipments</b>												
1982 ---	1.99	1.93	1.94	1.89	1.94	2.00	2.06	2.03	2.00	2.06	2.12	2.01
1983 ---	1.90	2.14	2.02	1.96	1.92	1.95	1.93	2.03	2.00	2.01	2.03	1.85
1984 ---	2.07	2.07	2.02	2.12	2.10	1.93	1.96	1.94	2.02	1.92	1.92	1.98
1985 ---	1.95	1.92	1.95	1.93	1.94	1.99	1.97	1.95	1.99	2.06	2.00	2.01
1986 ---	2.00	2.07	2.07	1.95	1.89	1.93	1.91	2.04	2.00	1.99	2.07	2.13
1987 ---	2.12	1.99	2.08	2.12	2.12	2.16	2.11	2.18	2.16	2.20	2.09	2.04
1988 ---	2.17	2.20	2.12	2.10	2.08	2.00	2.12	2.09	2.05	2.07	2.02	2.02
1989 ---	2.01	2.06	2.05	2.05	2.08	2.06	2.05	2.00	1.97	1.95	1.96	2.06
1990 ---	1.99	2.00	1.99	2.02	2.05	2.04	1.99	1.99	2.01	2.00	2.05	2.01
<b>Fabricated Metal Products, Total—Unfilled Orders/Shipments</b>												
1982 ---	3.76	3.63	3.58	3.49	3.34	3.41	3.31	3.33	3.38	3.52	3.33	3.19
1983 ---	3.13	3.10	3.12	3.05	2.97	2.96	2.99	2.90	2.78	2.74	2.70	2.64
1984 ---	2.61	2.65	2.72	2.70	2.77	2.76	2.71	2.80	2.91	2.87	2.79	2.86
1985 ---	2.83	2.91	2.89	2.90	2.82	2.82	2.67	2.63	2.63	2.59	2.62	2.71
1986 ---	2.68	2.70	2.79	2.69	2.73	2.71	2.69	2.66	2.64	2.59	2.66	2.68
1987 ---	2.74	2.57	2.60	2.63	2.70	2.75	2.74	2.81	2.87	2.93	2.85	2.87
1988 ---	2.78	2.77	2.77	2.73	2.69	2.58	2.69	2.65	2.60	2.55	2.46	2.41
1989 ---	2.33	2.38	2.35	2.27	2.27	2.26	2.17	2.05	2.01	2.03	1.99	2.00
1990 ---	2.08	2.01	1.95	2.00	1.90	1.90	1.94	1.91	1.95	1.92	1.96	1.92
<b>Industrial Machinery and Equipment, Total—Unfilled Orders/Shipments</b>												
1982 ---	4.40	4.26	4.15	4.33	4.19	4.15	4.09	3.95	3.86	4.11	3.97	3.96
1983 ---	3.86	3.91	3.78	3.72	3.73	3.63	3.46	3.49	3.59	3.60	3.56	3.44
1984 ---	3.42	3.44	3.51	3.44	3.36	3.41	3.40	3.35	3.28	3.22	3.13	3.14
1985 ---	3.13	3.25	3.18	3.24	3.13	3.12	3.17	3.18	3.18	3.15	3.05	3.10
1986 ---	3.03	3.04	3.04	2.90	3.01	2.86	3.01	3.03	2.97	2.99	2.94	2.89
1987 ---	2.85	2.89	2.93	2.91	2.95	2.96	2.87	2.99	2.90	2.90	2.91	2.88
1988 ---	2.93	2.92	2.91	2.90	2.89	2.90	2.88	2.88	2.91	2.92	2.93	2.88
1989 ---	2.89	2.92	2.96	2.93	2.90	2.91	3.04	2.94	2.98	2.97	2.96	2.84
1990 ---	2.91	2.93	2.80	2.91	2.90	2.85	3.02	2.85	2.92	2.82	2.84	2.81
<b>Electronic and Other Electrical Equipment, Total—Unfilled Orders/ Shipments</b>												
1982 ---	3.20	3.12	3.13	3.13	3.15	3.12	3.08	3.17	3.20	3.33	3.36	3.39
1983 ---	3.31	3.30	3.28	3.29	3.25	3.19	3.40	3.38	3.28	3.37	3.30	3.30
1984 ---	3.23	3.36	3.32	3.37	3.33	3.35	3.38	3.31	3.40	3.32	3.30	3.07
1985 ---	3.29	3.30	3.28	3.27	3.19	3.16	3.15	3.12	3.26	3.11	3.03	3.19
1986 ---	3.22	3.18	3.20	3.15	3.14	3.18	3.12	3.15	3.12	3.08	3.09	3.03
1987 ---	3.09	3.01	2.99	3.00	3.02	2.97	2.95	3.00	2.98	3.01	2.97	3.00
1988 ---	3.02	3.02	3.03	3.06	3.00	2.98	2.98	2.93	2.89	2.99	2.95	2.91
1989 ---	2.83	2.91	2.84	2.78	2.73	2.79	2.82	2.79	2.90	2.94	2.91	2.95
1990 ---	2.98	2.89	2.92	2.96	2.87	2.94	2.89	2.93	2.94	2.88	2.85	2.97
<b>Transportation Equipment, Total—Unfilled Orders/Shipments</b>												
1982 ---	12.86	12.17	12.14	12.21	11.18	11.16	11.38	11.64	11.49	11.59	11.68	11.98
1983 ---	11.62	11.43	11.22	11.39	11.36	10.71	11.26	11.11	10.86	11.48	11.32	11.06
1984 ---	11.22	11.39	12.03	11.83	12.03	11.65	11.93	11.28	11.49	11.01	10.97	10.81
1985 ---	10.71	10.56	10.45	10.34	10.56	10.66	10.58	10.26	11.03	10.30	10.56	10.46
1986 ---	10.69	10.70	11.83	10.92	10.70	10.60	10.12	10.47	10.87	10.13	10.11	9.91
1987 ---	10.55	10.22	9.90	10.37	10.72	10.68	11.20	11.29	10.53	10.84	11.09	11.22
1988 ---	11.24	11.39	11.19	11.60	11.35	11.67	11.56	11.53	11.41	11.42	11.90	11.79
1989 ---	12.24	12.54	13.06	12.76	13.12	13.06	13.67	12.12	12.27	13.54	13.41	13.14
1990 ---	15.12	13.02	13.10	13.38	12.93	11.99	12.75	11.88	13.11	13.35	13.77	14.71



Table 7. **Ratio of Manufacturers' Unfilled Orders to Shipments, by Major Industry Groups:**  
**1982-1990—Con.**

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—UNFILLED ORDERS/SHIPMENTS—Con.</b>												
<b>Durable Goods Industries, Total—Unfilled Orders/Shipments—Con.</b>												
<b>Instruments and Related Products, Total—Unfilled Orders/Shipments</b>												
1982 ---	5.24	5.17	5.37	5.44	5.28	5.38	5.42	5.51	5.49	5.82	5.88	6.02
1983 ---	5.90	6.08	6.06	6.05	6.16	5.95	5.95	6.09	5.86	5.83	5.76	5.64
1984 ---	5.98	6.12	5.96	5.90	5.95	6.14	6.15	6.32	6.50	6.57	6.60	6.45
1985 ---	6.85	6.68	6.94	7.01	6.94	7.22	7.22	7.21	7.50	7.41	7.32	7.39
1986 ---	7.47	7.51	7.70	7.58	7.65	7.61	7.59	7.55	7.59	7.44	7.46	7.43
1987 ---	7.65	7.27	7.04	7.30	7.30	7.18	7.21	7.27	7.12	7.30	7.22	7.11
1988 ---	7.42	7.21	6.95	6.55	6.94	6.51	6.43	6.55	6.24	6.49	6.50	6.21
1989 ---	6.32	6.55	6.50	6.64	6.41	6.57	6.68	6.36	6.42	6.45	6.46	6.48
1990 ---	6.46	6.47	6.56	6.52	6.27	6.47	6.42	6.35	6.37	6.15	5.98	6.05
<b>Nondurable Goods Industries, Total—Unfilled Orders/Shipments</b>												
1982 ---	.68	.64	.63	.63	.62	.62	.60	.59	.60	.60	.61	.62
1983 ---	.62	.63	.65	.65	.66	.67	.68	.69	.72	.70	.70	.69
1984 ---	.70	.72	.70	.69	.69	.68	.68	.66	.65	.64	.65	.64
1985 ---	.65	.64	.62	.64	.63	.64	.66	.65	.65	.67	.65	.68
1986 ---	.67	.67	.67	.68	.69	.67	.68	.66	.68	.68	.70	.70
1987 ---	.72	.74	.76	.79	.78	.78	.80	.82	.83	.82	.82	.83
1988 ---	.81	.82	.80	.78	.79	.79	.79	.79	.78	.78	.78	.77
1989 ---	.77	.75	.78	.75	.76	.77	.76	.77	.76	.75	.74	.77
1990 ---	.74	.73	.72	.72	.72	.72	.70	.71	.71	.71	.71	.73

Note: The shipments data used in calculating the ratios excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, and shipping containers; farm and garden equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

(NA) Not available.



**RETURN THIS FORM WITHIN 18 DAYS AFTER RECEIPT**

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## REPORTING DEFINITIONS

Date	
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**I LIFO ADJUSTMENT OR "RESERVE"** - Report the dollar value of the LIFO adjustment or reserve associated with the LIFO inventory.







# APPENDIX B.

## Composition of Industry Categories in Terms of 1987 Standard Industrial Classification System

M3/SIC code	M3 category title with comparable 4-digit SIC titles	M3/SIC code	M3 category title with comparable 4-digit SIC titles
	<b>FOOD AND KINDRED PRODUCTS</b>		<b>TEXTILE MILL PRODUCTS</b>
<b>20A</b>	<b>Meat products</b>	<b>22A</b>	<b>Broadwoven fabrics and textiles, except those from knitting and floor covering mills</b>
2011	Meat packing plants	2211	Broadwoven fabric mills, cotton
2013	Sausages and other prepared meats	2221	Broadwoven fabric mills, manmade
2015	Poultry slaughtering and processing	2231	Broadwoven fabric mills, wool
<b>20B</b>	<b>Dairy products</b>	2241	Narrow fabric mills
2021	Creamery butter	2261	Finishing plants, cotton
2022	Cheese, natural and processed	2262	Finishing plants, manmade
2023	Dry, condensed, evaporated products	2269	Finishing plants, n.e.c.
2024	Ice cream and frozen desserts	2281	Yarn spinning mills
2026	Fluid milk	2282	Throwing and winding mills
<b>20C</b>	<b>Fats and oils</b>	2284	Thread mills
2074	Cottonseed oil mills	2295	Coated fabrics, not rubberized
2075	Soybean oil mills	2296	Tire cord and fabrics
2076	Vegetable oil mills, n.e.c.	2297	Nonwoven fabrics
2077	Animal and marine fats and oils	2298	Cordage and twine
2079	Edible fats and oils, n.e.c.	2299	Textile goods, n.e.c.
<b>20D</b>	<b>Beverages</b>	<b>22B</b>	<b>Knitting mill products</b>
2082	Malt beverages	2251	Women's hosiery, except socks
2083	Malt	2252	Hosiery, n.e.c.
2084	Wines, brandy, and brandy spirits	2253	Knit outerwear mills
2085	Distilled and blended liquors	2254	Knit underwear mills
2086	Bottled and canned soft drinks	2257	Weft knit fabric mills
2087	Flavoring extracts and syrups, n.e.c.	2258	Lace and warp knit fabric mills
<b>20E</b>	<b>Food and kindred products, except meat and dairy products, beverages, fats, and oils</b>	2259	Knitting mills, n.e.c.
2032	Canned specialties	<b>22C</b>	<b>Carpets and rugs</b>
2033	Canned fruits and vegetables	2273	Carpets and rugs
2034	Dehydrated fruits, vegetables, and soups		
2035	Pickles, sauces, and salad dressings	<b>23A</b>	<b>Apparel and other finished textile products</b>
2037	Frozen fruits and vegetables	2311	Men's and boys' suits and coats
2038	Frozen specialties, n.e.c.	2321	Men's and boys' shirts
2041	Flour and other grain mill products	2322	Men's and boys' underwear and nightwear
2043	Cereal breakfast foods	2323	Men's and boys' neckwear
2044	Rice milling	2325	Men's and boys' trousers and slacks
2045	Prepared flour mixes and doughs	2326	Men's and boys' work clothing
2046	Wet corn milling	2329	Men's and boys' clothing, n.e.c.
2047	Dog and cat food	2331	Women's and misses' blouses and shirts
2048	Prepared feeds, n.e.c.	2335	Women's, juniors' and misses' dresses
2051	Bread, cake, and related products	2337	Women's and misses' suits and coats
2052	Cookies and crackers	2339	Women's and misses' outerwear, n.e.c.
2053	Frozen bakery products, except bread	2341	Women's and children's underwear
2061	Raw cane sugar	2342	Bras, girdles, and allied garments
2062	Cane sugar refining	2353	Hats, caps, and millinery
2063	Beet sugar	2361	Girls' and children's dresses and blouses
2064	Candy and other confectionery products	2369	Girls' and children's outerwear, n.e.c.
2066	Chocolate and cocoa products	2371	Fur goods
2067	Chewing gum	2381	Fabric dress and work gloves
2068	Salted and roasted nuts and seeds	2384	Robes and dressing gowns
2091	Canned and cured fish and seafoods	2385	Waterproof outerwear
2092	Fresh or frozen prepared fish	2386	Leather and sheep-lined clothing
2095	Roasted coffee	2387	Apparel belts
2096	Potato chips and similar snacks	2389	Apparel and accessories, n.e.c.
2097	Manufactured ice	2391	Curtains and draperies
2098	Macaroni and spaghetti	2392	Housefurnishings, n.e.c.
2099	Food preparations, n.e.c.	2393	Textile bags
	<b>TOBACCO PRODUCTS</b>	2394	Canvas and related products
<b>21A</b>	<b>Cigarettes, cigars, chewing and smoking tobacco, and snuff</b>	2395	Pleating and stitching
2111	Cigarettes	2396	Automotive and apparel trimmings
2121	Cigars	2397	Schiffli machine embroideries
2131	Chewing and smoking tobacco	2399	Fabricated textile products, n.e.c.
2141	Tobacco stemming and redrying		
		<b>24A</b>	<b>LUMBER AND WOOD PRODUCTS</b>
		2441	<b>Wood containers, pallets and skids</b>
		2448	Nailed wood boxes and shook
		2449	Wood pallets and skids
			Wood containers, n.e.c.



M3/SIC code	M3 category title with comparable 4-digit SIC titles	M3/SIC code	M3 category title with comparable 4-digit SIC titles
	<b>LUMBER AND WOOD PRODUCTS—Con.</b>		<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES—Con.</b>
<b>24B</b>	<b>Wood buildings and mobile homes</b>	<b>27B</b>	<b>Publishing and printing products, except newspapers, periodicals and books—Con.</b>
2451	Mobile homes	2759	Commercial printing, n.e.c.
2452	Prefabricated wood buildings	2761	Manifold business forms
<b>24C</b>	<b>Wood products, except containers, buildings, and mobile homes</b>	2771	Greeting cards
2411	Logging	2782	Blankbooks and looseleaf binders
2421	Sawmills and planing mills, general	2789	Bookbinding and related work
2426	Hardwood dimension and flooring mills	2791	Typesetting
2429	Special product sawmills, n.e.c.	2796	Platemaking services
2431	Millwork		<b>CHEMICALS AND ALLIED PRODUCTS</b>
2434	Wood kitchen cabinets	<b>28A</b>	<b>Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals</b>
2435	Hardwood veneer and plywood	2812	Alkalies and chlorine
2436	Softwood veneer and plywood	2813	Industrial gases
2439	Structural wood members, n.e.c.	2819	Industrial inorganic chemicals, n.e.c.
2491	Wood preserving	2821	Plastics materials and resins
2493	Reconstituted wood products	2822	Synthetic rubber
2499	Wood products, n.e.c.	2823	Cellulosic manmade fibers
	<b>FURNITURE AND FIXTURES</b>	2824	Organic fibers, noncellulosic
<b>25A</b>	<b>Household furniture</b>	2861	Gum and wood chemicals
2511	Wood household furniture	2865	Cyclic crudes and intermediates
2512	Upholstered household furniture	2869	Industrial organic chemicals, n.e.c.
2514	Metal household furniture	2891	Adhesives and sealants
2515	Mattresses and bedsprings	2892	Explosives
2517	Wood TV and radio cabinets	2893	Printing ink
2519	Household furniture, n.e.c.	2895	Carbon black
<b>25B</b>	<b>Furniture, except household</b>	2899	Chemical preparations, n.e.c.
2521	Wood office furniture	<b>28B</b>	<b>Paints and related products</b>
2522	Office furniture, except wood	2816	Inorganic pigments
2531	Public building and related furniture	2851	Paints and allied products
2541	Wood partitions and fixtures	<b>28C</b>	<b>Drugs, soaps, and toiletries</b>
2542	Partitions and fixtures, except wood	2833	Medicinals and botanicals
2591	Drapery hardware and blinds and shades	2834	Pharmaceutical preparations
2599	Furniture and fixtures, n.e.c.	2835	Diagnostic substances
	<b>PAPER AND ALLIED PRODUCTS</b>	2836	Biological products, except diagnostic
<b>26A</b>	<b>Pulp, paper, and paperboard mill products</b>	2841	Soap and other detergents
2611	Pulp mills	2842	Polishes and sanitation goods
2621	Paper mills	2843	Surface active agents
2631	Paperboard mills	2844	Toilet preparations
<b>26B</b>	<b>Paperboard containers and boxes</b>	<b>28D</b>	<b>Agricultural chemicals</b>
2652	Setup paperboard boxes	2873	Nitrogenous fertilizers
2653	Corrugated and solid fiber boxes	2874	Phosphatic fertilizers
2655	Fiber cans, drums and similar products	2875	Fertilizers, mixing only
2656	Sanitary food containers	2879	Agricultural chemicals, n.e.c.
2657	Folding paperboard boxes		<b>PETROLEUM REFINING AND RELATED INDUSTRIES</b>
<b>26C</b>	<b>Miscellaneous converted paper products</b>	<b>29A</b>	<b>Asphalt paving and roofing materials</b>
2671	Paper coated and laminated, packaging	2951	Asphalt paving mixtures and blocks
2672	Paper coated and laminated, n.e.c.	2952	Asphalt felts and coatings
2673	Bags: plastics, laminated, and coated	<b>29B</b>	<b>Petroleum refining, except paving and roofing materials</b>
2674	Bags: uncoated paper and multiwall	2911	Petroleum refining
2675	Die-cut paper and board	2992	Lubricating oils and greases
2676	Sanitary paper products	2999	Petroleum and coal products, n.e.c.
2677	Envelopes		<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS</b>
2678	Stationery products	<b>30A</b>	<b>Tires and tubes</b>
2679	Converted paper products, n.e.c.	3011	Tires and inner tubes
	<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>	<b>30B</b>	<b>Rubber and plastics footwear, hose, belting, gaskets and other rubber products, n.e.c.</b>
<b>27A</b>	<b>Newspapers, periodicals and books</b>	3021	Rubber and plastics footwear
2711	Newspapers	3052	Rubber and plastics hose and belting
2721	Periodicals	3053	Gaskets, packing and sealing devices
2731	Book publishing	3061	Mechanical rubber goods
2732	Book printing	3069	Fabricated rubber products, n.e.c.
<b>27B</b>	<b>Publishing and printing products, except newspapers, periodicals and books</b>	<b>30C</b>	<b>Miscellaneous plastics products, n.e.c.</b>
2741	Miscellaneous publishing	3081	Unsupported plastics film and sheet
2752	Commercial printing, lithographic	3082	Unsupported plastics profile shapes
2754	Commercial printing, gravure	3083	Laminated plastics plate and sheet
		3084	Plastics pipe
		3085	Plastics bottles



M3/SIC code	M3 category title with comparable 4-digit SIC titles	M3/SIC code	M3 category title with comparable 4-digit SIC titles
	<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS—Con.</b>		<b>PRIMARY METALS INDUSTRIES—Con.</b>
<b>30C</b>	<b>Miscellaneous plastics products, n.e.c.—Con.</b>	<b>33C</b>	<b>Nonferrous metal products, primary and secondary</b>
3086	Plastics foam products	3331	Primary copper
3087	Custom compound purchased resins	3334	Primary aluminum
3088	Plastics plumbing fixtures	3339	Primary nonferrous metals, n.e.c.
3089	Plastics products, n.e.c.	3341	Secondary nonferrous metals
		3351	Copper rolling and drawing
		3353	Aluminum sheet, plate, and foil
		3354	Aluminum extruded products
		3355	Aluminum rolling and drawing, n.e.c.
		3356	Nonferrous rolling and drawing, n.e.c.
		3357	Nonferrous wiredrawing and insulating
		3363	Aluminum die-castings
		3364	Nonferrous die-castings except aluminum
		3365	Aluminum foundries
		3366	Copper foundries
		3369	Nonferrous foundries, n.e.c.
		3398	Metal heat treating
		3399	Primary metal products, n.e.c.
			<b>FABRICATED METAL PRODUCTS</b>
		<b>34A</b>	<b>Metal cans and shipping containers</b>
<b>31A</b>	<b>Leather tanning and finishing, and footwear cut stock</b>	3411	Metal cans
3111	Leather tanning and finishing	3412	Metal barrels, drums, and pails
3131	Footwear cut stock		
<b>31B</b>	<b>Leather products, except tanning, finishing, and footwear cut stock</b>	<b>34B</b>	<b>Cutlery and handtools</b>
3142	House slippers	3421	Cutlery
3143	Men's footwear, except athletic	3423	Hand and edge tools, n.e.c.
3144	Women's footwear, except athletic	3425	Saw blades and handsaws
3149	Footwear, except rubber, n.e.c.		
3151	Leather gloves and mittens	<b>34C</b>	<b>Building materials and wire products</b>
3161	Luggage	3429	Hardware, n.e.c.
3171	Women's handbags and purses	3431	Metal sanitary ware
3172	Personal leather goods, n.e.c.	3432	Plumbing fixture fittings and trim
3199	Leather goods, n.e.c.	3433	Heating equipment, except electric
		3441	Fabricated structural metal
		3442	Metal doors, sash, and trim
		3443	Fabricated plate work (boiler shops)
		3444	Sheet metal work
		3446	Architectural metal work
		3448	Prefabricated metal buildings
		3449	Miscellaneous metal work
		3495	Wire springs
		3496	Miscellaneous fabricated wire products
		<b>34D</b>	<b>Ordnance and accessories, except for the Department of Defense</b>
<b>32A</b>	<b>Glass containers</b>	3482	Small arms ammunition
3221	Glass containers	3483	Ammunition, except for small arms, n.e.c.
		3484	Small arms
		3489	Ordnance and accessories, n.e.c.
<b>32B</b>	<b>Kitchen articles and pottery</b>	<b>34E</b>	<b>Ordnance and accessories for the Department of Defense, except tanks and missiles</b>
3262	Vitreous china table and kitchenware	3482	Small arms ammunition
3263	Semivitreous table and kitchenware	3483	Ammunition, except for small arms, n.e.c.
3269	Pottery products, n.e.c.	3484	Small arms
		3489	Ordnance and accessories, n.e.c.
<b>32C</b>	<b>Stone, clay, and glass products, except glass containers, kitchen articles, and pottery</b>	<b>34F</b>	<b>Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition</b>
3211	Flat glass	3451	Screw machine products
3229	Pressed and blown glass, n.e.c.	3452	Bolts, nuts, rivets, and washers
3231	Products of purchased glass	3462	Iron and steel forgings
3241	Cement, hydraulic	3463	Nonferrous forgings
3251	Brick and structural clay tile	3465	Automotive stampings
3253	Ceramic wall and floor tile	3466	Crowns and closures
3255	Clay refractories	3469	Metal stampings, n.e.c.
3259	Structural clay products, n.e.c.	3471	Plating and polishing
3261	Vitreous plumbing fixtures	3479	Metal coating and allied services
3264	Porcelain electrical supplies	3491	Industrial valves
3271	Concrete block and brick	3492	Fluid power valves and hose fittings
3272	Concrete products, n.e.c.	3493	Steel springs, except wire
3273	Ready-mixed concrete	3494	Valves and pipe fittings, n.e.c.
3274	Lime		
3275	Gypsum products		
3281	Cut stone and stone products		
3291	Abrasive products		
3292	Asbestos products		
3295	Minerals, ground or treated		
3296	Mineral wool		
3297	Nonclay refractories		
3299	Nonmetallic mineral products, n.e.c.		
	<b>PRIMARY METALS INDUSTRIES</b>		
<b>33A</b>	<b>Blast furnaces and steel mill products</b>		
3312	Blast furnaces and steel mills		
3313	Electrometallurgical products		
3315	Steel wire and related products		
3316	Cold finishing of steel shapes		
3317	Steel pipe and tubes		
<b>33B</b>	<b>Iron and steel foundry products</b>		
3321	Gray and ductile iron foundries		
3322	Malleable iron foundries		
3324	Steel investment foundries		
3325	Steel foundries, n.e.c.		



M3/SIC code	M3 category title with comparable 4-digit SIC titles	M3/SIC code	M3 category title with comparable 4-digit SIC titles
	<b>FABRICATED METAL PRODUCTS—Con.</b>		<b>INDUSTRIAL MACHINERY AND EQUIPMENT—Con.</b>
34F	<b>Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition—Con.</b>	35J	<b>Industrial machinery, n.e.c.</b>
3497	Metal foil and leaf	3592	Carburetors, pistons, rings, valves
3498	Fabricated pipe and fittings	3593	Fluid power cylinders & actuators
3499	Fabricated metal products, n.e.c.	3594	Fluid power pumps and motors
		3596	Scales and balances, except laboratory
		3599	Industrial machinery, n.e.c.
	<b>INDUSTRIAL MACHINERY AND EQUIPMENT</b>		<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT</b>
35A	<b>Steam engines and turbines (including nuclear)</b>	36A	<b>Electrical transmission and distribution equipment</b>
3511	Turbines and turbine generator sets	3612	Transformers, except electronic
		3613	Switchgear and switchboard apparatus
35B	<b>Internal combustion engines including diesel, except automotive and aircraft</b>	36B	<b>Electrical industrial apparatus</b>
3519	Internal combustion engines, including diesel, except automotive and aircraft	3621	Motors and generators
		3624	Carbon and graphite products
		3625	Relays and industrial controls
35C	<b>Farm and garden machinery</b>	3629	Electrical industrial apparatus, n.e.c.
3523	Farm machinery and equipment	36C	<b>Household Appliances</b>
3524	Lawn and garden equipment	3631	Household cooking equipment
		3632	Household refrigerators and freezers
35D	<b>Construction, mining and material handling equipment</b>	3633	Household laundry equipment
3531	Construction machinery	3634	Electric housewares and fans
3532	Mining machinery	3635	Household vacuum cleaners
3533	Oil and gas field machinery	3639	Household appliances, n.e.c.
3534	Elevators and moving stairways		
3535	Conveyors and conveying equipment	36D	<b>Electric lighting and wiring equipment</b>
3536	Hoists, cranes, and monorails	3641	Electric lamps
3537	Industrial trucks and tractors	3643	Current-carrying wiring devices
		3644	Noncurrent-carrying wiring devices
35E	<b>Metalworking Machinery</b>	3645	Residential lighting fixtures
3541	Machine tools, metal cutting types	3646	Commercial lighting fixtures
3542	Machine tools, metal forming types	3647	Vehicular lighting equipment
3543	Industrial patterns	3648	Lighting equipment, n.e.c.
3544	Special dies, tools, jigs & fixtures		
3545	Machine tool accessories	36E	<b>Household audio and video equipment</b>
3546	Power-driven handtools	3651	Household audio and video equipment
3547	Rolling mill machinery	3652	Prerecorded records and tapes
3548	Welding apparatus		
3549	Metalworking machinery, n.e.c.	36F	<b>Communication equipment, except for the Department of Defense</b>
35F	<b>Special industry machinery</b>	3661	Telephone and telegraph apparatus
3552	Textile machinery	3663	Radio and TV communications equipment
3553	Woodworking machinery	3669	Communications equipment, n.e.c.
3554	Paper industries machinery		
3555	Printing trades machinery	36G	<b>Communication equipment for the Department of Defense</b>
3556	Food products machinery	3661	Telephone and telegraph apparatus
3559	Special industry machinery, n.e.c.	3663	Radio and TV communications equipment
		3669	Communications equipment, n.e.c.
35G	<b>General industrial machinery</b>	36H	<b>Electronic components and accessories</b>
3561	Pumps and pumping equipment	3671	Electron tubes
3562	Ball and roller bearings	3672	Printed circuit boards
3563	Air and gas compressors	3674	Semiconductors and related devices
3564	Blowers and fans	3675	Electronic capacitors
3565	Packaging machinery	3676	Electronic resistors
3566	Speed changers, drives, and gears	3677	Electronic coils and transformers
3567	Industrial furnaces and ovens	3678	Electronic connectors
3568	Power transmission equipment, n.e.c.	3679	Electronic components, n.e.c.
3569	General industrial machinery, n.e.c.		
35H	<b>Computer and office equipment</b>	36I	<b>Miscellaneous electrical equipment &amp; supplies</b>
3571	Electronic computers	3691	Storage batteries
3572	Computer storage devices	3692	Primary batteries, dry and wet
3575	Computer terminals	3694	Engine electrical equipment
3577	Computer peripheral equipment, n.e.c.	3695	Magnetic and optical recording media
3578	Calculating and accounting equipment	3699	Electrical equipment & supplies, n.e.c.
3579	Office machines, n.e.c.		
35I	<b>Refrigeration, heating and service industry machinery</b>	37A	<b>TRANSPORTATION EQUIPMENT</b>
3581	Automatic vending machines		<b>Motor vehicle parts, accessories and bodies, except car bodies</b>
3582	Commercial laundry equipment	3713	Truck and bus bodies
3585	Refrigeration and heating equipment	3714	Motor vehicle parts and accessories
3586	Measuring and dispensing pumps	3715	Truck trailers
3589	Service industry machinery, n.e.c.	3716	Motor homes



M3/SIC code	M3 category title with comparable 4-digit SIC titles	M3/SIC code	M3 category title with comparable 4-digit SIC titles
	<b>TRANSPORTATION EQUIPMENT—Con.</b>		<b>INSTRUMENTS AND RELATED PRODUCTS—Con.</b>
<b>37B</b>	<b>Motor vehicles and car bodies</b>	<b>38C</b>	<b>Measuring and controlling devices</b>
3711	Motor vehicles and car bodies	3821	Laboratory apparatus and furniture
<b>37C</b>	<b>Complete aircraft, missiles, and space vehicles, except for the Department of Defense</b>	3822	Environmental controls
3721	Aircraft	3823	Process control instruments
3761	Guided missiles and space vehicles	3824	Fluid meters and counting devices
<b>37D</b>	<b>Complete aircraft, missiles, and space vehicles for the Department of Defense</b>	3825	Instruments to measure electricity
3721	Aircraft	3826	Analytical instruments
3761	Guided missiles and space vehicles	3827	Optical instruments and lenses
<b>37E</b>	<b>Aircraft, missiles, and space vehicle engines and parts, except for the Department of Defense</b>	3829	Measuring & controlling devices, n.e.c.
3724	Aircraft engines and engine parts	<b>38D</b>	<b>Medical instruments and supplies</b>
3728	Aircraft parts and equipment, n.e.c.	3841	Surgical and medical instruments
3764	Missile and space vehicle propulsion units and parts	3842	Surgical appliances and supplies
3769	Missile and space vehicle equipment, n.e.c.	3843	Dental equipment and supplies
<b>37F</b>	<b>Aircraft, missiles, and space vehicle engines and parts for the Department of Defense</b>	3844	X-ray apparatus and tubes
3724	Aircraft engines and engine parts	3845	Electromedical equipment
3728	Aircraft parts and equipment, n.e.c.	<b>38E</b>	<b>Ophthalmic goods, watches, and clocks</b>
3764	Missile and space vehicle propulsion units and parts	3851	Ophthalmic goods
3769	Missile and space vehicle equipment, n.e.c.	3873	Watches, clocks, watchcases & parts
<b>37G</b>	<b>Ships and tank components, except for the Department of Defense</b>	<b>38F</b>	<b>Photographic goods</b>
3731	Shipbuilding and repairing	3861	Photographic equipment and supplies
3795	Tanks and tank components		<b>OTHER DURABLE GOODS</b>
<b>37H</b>	<b>Ships, tanks, and tank components for the Department of Defense</b>	<b>39A</b>	<b>Miscellaneous personal goods, such as jewelry, silverware, toys and games, sporting goods, musical instruments, and burial caskets</b>
3731	Ship building and repairing	3911	Jewelry, precious metal
3795	Tanks and tank components	3914	Silverware and plated ware
<b>37I</b>	<b>Railroad equipment</b>	3915	Jewelers' materials & lapidary work
3743	Railroad equipment	3931	Musical instruments
<b>37J</b>	<b>Boats, motorcycles, bicycles, travel trailers, and campers</b>	3942	Dolls and stuffed toys
3732	Boat building and repairing	3944	Games, toys, and children's vehicles
3751	Motorcycles, bicycles, and parts	3949	Sporting and athletic goods, n.e.c.
3792	Travel trailers and campers	3961	Costume jewelry
3799	Transportation equipment, n.e.c.	3995	Burial caskets
	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	<b>39B</b>	<b>Miscellaneous manufactures, except personal goods</b>
<b>38A</b>	<b>Search and navigation equipment, except for the Department of Defense</b>	3951	Pens and mechanical pencils
3812	Search and navigation equipment	3952	Lead pencils and art goods
<b>38B</b>	<b>Search and navigation equipment for the Department of Defense</b>	3953	Marking devices
3812	Search and navigation equipment	3955	Carbon paper and inked ribbons
		3965	Fasteners, buttons, needles, & pins
		3991	Brooms and brushes
		3993	Signs and advertising specialties
		3996	Hard surface floor coverings, n.e.c.
		3999	Manufacturing industries, n.e.c.







## Appendix C. Composition of Aggregate Data Series in Terms of M3 Industry Series

### Market Categories

#### Automotive Equipment

- 30A Tires and tubes (pt.)
- 36I Miscellaneous electrical equipment and supplies (pt.)
- 37A Motor vehicle parts, accessories and bodies, except car bodies (pt.)
- 37B Motor vehicles and car bodies (pt.)
- 37J Boats, motorcycles, bicycles, travel trailers, and campers

#### Home Goods and Apparel

- 22B Knitting mill products
- 22C Carpets and rugs
- 23A Apparel and other finished textile products
- 25A Household furniture
- 30B Rubber and plastics footwear, hose, belting, gaskets, and other rubber products, n.e.c. (pt.)
- 31B Leather products, except tanning, finishing, and footwear cut stock
- 32B Kitchen articles and pottery
- 32C Stone, clay, and glass products except glass containers, kitchen articles, and pottery (pt.)
- 34B Cutlery and handtools (pt.)
- 35I Refrigeration, heating and service industry machinery (pt.)
- 36C Household appliances
- 36E Household audio and video equipment
- 38E Ophthalmic goods, watches, and clocks
- 39A Miscellaneous personal goods, such as jewelry, silverware, toys and games, sporting goods, musical instruments, and burial caskets

#### Consumer Staples

- 20A Meat products
- 20B Dairy products
- 20C Fats and oils (pt.)
- 20D Beverages (pt.)
- 20E Food and kindred products, except meat and dairy products, beverages, fats and oils (pt.)
- 21A Cigarettes, cigars, and chewing and smoking tobacco, and snuff
- 26C Miscellaneous converted paper products (pt.)
- 27A Newspapers, periodicals, and books (pt.)

- 27B Publishing and printing products, except newspapers, periodicals and books (pt.)
- 28C Drugs, soaps, and toiletries
- 29B Petroleum refining, except paving and roofing materials (pt.)

#### Machinery and Equipment

- 24B Wood buildings and mobile homes
- 25B Furniture, except household (pt.)
- 34C Building materials and wire products (pt.)
- 35A Steam engines and turbines (including nuclear)
- 35C Farm and garden machinery
- 35D Construction, mining, and material handling equipment
- 35E Metalworking machinery
- 35F Special industry machinery
- 35G General industrial machinery (pt.)
- 35H Computer and office equipment (pt.)
- 35I Refrigeration, heating and service industry machinery (pt.)
- 36A Electrical transmission and distribution equipment
- 36F Communication equipment, except for the Department of Defense
- 37A Motor vehicle parts, accessories and bodies, except car bodies (pt.)
- 37B Motor vehicles and car bodies (pt.)
- 37C Complete aircraft, missiles, and space vehicles, except for the Department of Defense
- 37E Aircraft, missile, and space vehicle engines and parts, except for the Department of Defense (pt.)
- 37G Ships and tank components, except for the Department of Defense
- 37I Railroad equipment
- 38A Search and navigation equipment, except for the Department of Defense
- 38D Medical instruments and supplies
- 38F Photographic goods

#### Business Supplies

- 20E Food and kindred products except meat and dairy products, beverages, and fats and oils (pt.)
- 26C Miscellaneous converted paper products (pt.)
- 27A Newspapers, periodicals, and books (pt.)



- 27B Publishing and printing products, except newspapers, periodicals and books (pt.)
- 28A Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals (pt.)
- 28D Agricultural chemicals (pt.)
- 29B Petroleum refining, except paving and roofing materials (pt.)
- 30A Tires and tubes (pt.)
- 34C Building materials and wire products (pt.)
- 34F Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition (pt.)
- 39B Miscellaneous manufactures, except personal goods

#### **Construction Materials and Supplies**

- 24C Wood products, except containers, buildings, and mobile homes (pt.)
- 25B Furniture, except household (pt.)
- 26A Pulp, paper, and paperboard mill products (pt.)
- 28B Paints and related products
- 29A Asphalt paving and roofing materials
- 30C Miscellaneous plastics products, n.e.c. (pt.)
- 32C Stone, clay, and glass products except glass containers, kitchen articles, and pottery (pt.)
- 33A Blast furnaces and steel mill products (pt.)
- 33C Nonferrous metal products, primary and secondary (pt.)
- 34C Building materials and wire products (pt.)
- 36D Electric lighting and wiring equipment

#### **Defense Products**

- 28A Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals (pt.)
- 34X Ordnance and accessories
- 36G Communication equipment for the Department of Defense
- 37D Complete aircraft, missiles, and space vehicles for the Department of Defense
- 37F Aircraft, missiles, and space vehicle engines and parts for the Department of Defense (pt.)
- 37H Ships, tanks, and tank components for the Department of Defense
- 38B Search and navigation equipment for the Department of Defense

#### **Other Materials and Intermediate Products**

- 20C Fats and oils (pt.)
- 20D Beverages (pt.)
- 20E Food and kindred products, except meat and dairy products, beverages, and fats and oils (pt.)
- 22A Broadwoven fabrics and textiles, except those from knitting and floor covering mills
- 24A Wood containers, pallets, and skids

- 24C Wood products, except containers, buildings, and mobile homes (pt.)
- 26A Pulp, paper, and paperboard mill products (pt.)
- 26B Paperboard containers and boxes
- 26C Miscellaneous converted paper products (pt.)
- 28A Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals (pt.)
- 28B Paints and related products (pt.)
- 28D Agricultural chemicals (pt.)
- 29B Petroleum refining, except paving and roofing materials (pt.)
- 30A Tires and tubes (pt.)
- 30B Rubber and plastics footwear, hose, belting, gaskets, and other rubber products, n.e.c. (pt.)
- 30C Miscellaneous plastics products, n.e.c. (pt.)
- 31A Leather tanning and finishing, and footwear cut stock
- 32A Glass containers
- 32C Stone, clay, and glass products, except glass containers, kitchen articles, and pottery (pt.)
- 33A Blast furnaces and steel mill products (pt.)
- 33B Iron and steel foundry products
- 33C Nonferrous metal products, primary and secondary (pt.)
- 34A Metal cans and shipping containers
- 34B Cutlery and handtools (pt.)
- 34C Building materials and wire products (pt.)
- 34F Special industry machinery (pt.)
- 35B Internal combustion engines including diesel, except automotive and aircraft
- 35G General industrial machinery (pt.)
- 35H Computer and office equipment (pt.)
- 35J Industrial machinery, n.e.c.
- 36B Electrical industrial apparatus
- 36H Electronic components and accessories
- 36I Miscellaneous electrical equipment and supplies (pt.)
- 37A Motor vehicle parts, accessories and bodies, except car bodies (pt.)
- 37X Aircraft, missile, and space vehicle engines and parts (pt.)
- 38C Measuring and controlling devices

#### **Durable Goods Industries**

#### **Nondefense Capital Goods**

- 34D Ordnance and accessories, except for the Department of Defense
- 35A Steam engines and turbines (including nuclear)
- 35B Internal combustion engines including diesel, except automotive and aircraft
- 35D Construction, mining, and material handling equipment
- 35E Metalworking machinery
- 35F Special industry machinery



35G	General industrial machinery
35H	Computer and office equipment
35I	Refrigeration, heating and service industry machinery
36A	Electrical transmission and distribution equipment
36B	Electrical industrial apparatus
36F	Communication equipment, except for the Department of Defense
37C	Complete aircraft, missiles, and space vehicles, except for the Department of Defense
37E	Aircraft, missiles, and space vehicle engines and parts, except for the Department of Defense
37G	Ships and tank components, except for the Department of Defense
37I	Railroad equipment
38A	Search and navigation equipment, except for the Department of Defense

#### **Nondefense Capital Goods, excluding Aircraft and Parts**

34D	Ordnance and accessories, except for the Department of Defense
35A	Steam engines and turbines (including nuclear)
35B	Internal combustion engines including diesel, except automotive and aircraft
35D	Construction, mining, and material handling equipment
35E	Metalworking machinery
35F	Special industry machinery
35G	General industrial machinery
35H	Computer and office equipment
35I	Refrigeration, heating and service industry machinery
36A	Electrical transmission and distribution equipment
36B	Electrical industrial apparatus
36F	Communication equipment, except for the Department of Defense
37G	Ships and tank components, except for the Department of Defense
37I	Railroad equipment
38A	Search and navigation equipment, except for the Department of Defense

#### **Defense Capital Goods**

34E	Ordnance and accessories for the Department of Defense, except tanks and missiles
36G	Communication equipment for the Department of Defense
37D	Complete aircraft, missiles, and space vehicles for the Department of Defense
37F	Aircraft, missile, and space vehicle engines and parts for the Department of Defense
37H	Ships, tanks, and tank components for the Department of Defense

38B	Search and navigation equipment for the Department of Defense
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#### **Durables Excluding Capital Goods**

24A	Wood containers, pallets, and skids
24B	Wood buildings and mobile homes
24C	Wood products, except containers, buildings, and mobile homes
25A	Household furniture
25B	Furniture, except household
32A	Glass containers
32B	Kitchen articles and pottery
32C	Stone, clay, and glass products except glass containers, kitchen articles, and pottery
33A	Blast furnaces and steel mill products
33B	Iron and steel foundry products
33C	Nonferrous metal products, primary and secondary
34A	Metal cans and shipping containers
34B	Cutlery and handtools
34C	Building materials and wire products
34F	Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition
35C	Farm and garden machinery
35J	Industrial machinery, n.e.c.
36C	Household appliances
36D	Electric lighting and wiring equipment
36E	Household audio and video equipment
36H	Electronic components and accessories
36I	Miscellaneous electrical equipment and supplies
37A	Motor vehicle parts, accessories and bodies, except car bodies
37B	Motor vehicles and car bodies
37J	Boats, motorcycles, bicycles, travel trailers, and campers
38C	Measuring and controlling devices
38D	Medical instruments and supplies
38E	Ophthalmic goods, watches, and clocks
38F	Photographic goods
39A	Miscellaneous personal goods, such as jewelry, silverware, toys, and games, sporting goods, musical instruments, and burial caskets
39B	Miscellaneous manufactures, except personal goods

#### **Producers' Durable Equipment**

#### **Information Related Equipment**

35H	Computer and office equipment
36F	Communication equipment, except for the Department of Defense
38A	Search and navigation equipment, except for the Department of Defense
38C	Measuring and controlling devices



38F Photographic goods

### **Industrial Equipment**

34C Building materials and wire products  
 34F Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition  
 35A Steam engines and turbines (including nuclear)  
 35B Internal combustion engines including diesel, except automotive and aircraft  
 35E Metalworking machinery  
 35F Special industry machinery  
 35G General industrial machinery  
 36A Electrical transmission and distribution equipment  
 36B Electrical industrial apparatus

### **Transportation Equipment**

37A Motor vehicle parts, accessories and bodies, except car bodies  
 37B Motor vehicles and car bodies  
 37C Complete aircraft, missiles, and space vehicles, except for the Department of Defense  
 37G Ships and tank components, except for the Department of Defense  
 37I Railroad equipment

### **Other Equipment**

25A Household furniture  
 25B Furniture, except household  
 35C Farm and garden machinery  
 35D Construction, mining, and material handling equipment

35I Refrigeration, heating and service industry machinery  
 36C Household appliances  
 36I Miscellaneous electrical equipment and supplies  
 38D Medical instruments and supplies  
 39A Miscellaneous personal goods, such as jewelry, silverware, toys and games, sporting goods, musical instruments, and burial caskets  
 39B Miscellaneous manufactures, except personal goods

### **Miscellaneous Aggregates**

#### **Household Durable Goods**

25A Household furniture  
 32B Kitchen articles and pottery  
 34B Cutlery and handtools  
 36C Household appliances  
 36E Household audio and video equipment  
 38E Ophthalmic goods, watches, and clocks  
 39A Miscellaneous personal goods, such as jewelry, silverware, toys and games, sporting goods, musical instruments, and burial caskets

#### **Health Care Equipment and Products**

25B Furniture, except household (pt.)  
 28C Drugs, soaps, and toiletries (pt.)  
 30B Rubber and plastics footwear, hose, belting, gaskets, and other rubber products, n.e.c. (pt.)  
 30C Miscellaneous plastics products, n.e.c. (pt.)  
 38D Medical instruments and supplies



# Appendix D. Benchmarking Procedure Used in Revising Historical M3 Shipments and Inventory Estimates

The mathematical technique used in benchmarking historical data in the M3 survey generally follows a trend revision minimization approach with varying constraints. The objective function  $F$

$$1) \quad F = \sum_{i=0}^{n-1} [ (Y_{i+1}/Y_i) - (X_{i+1}/X_i) ]^2$$

defines the sum of squared differences in the month-to-month trend between the original and revised data.

where  $Y_{i+1}/Y_i$  = revised ratio of change from month <sub>$i$</sub>  to month <sub>$i+1$</sub>   
 $X_{i+1}/X_i$  = original ratio of change from month <sub>$i$</sub>  to month <sub>$i+1$</sub>

$$2) \quad F = \sum_{j=0}^{m-1} [ (Y_{j+1}/Y_j) - (X_{j+1}/X_j) ]^2$$

defines the sum of squared differences in the year-to-year trends in the original and revised data.

where  $Y_{j+1}/Y_j$  = revised ratio of change from year <sub>$j$</sub>  to year <sub>$j+1$</sub>   
 $X_{j+1}/X_j$  = original ratio of change from year <sub>$j$</sub>  to year <sub>$j+1$</sub>

The specific steps followed in this benchmark report are described below along with the specific constraints applied. Part 1 concerns benchmarking shipments and inventories to 1987 census data according to the 1972 standard industrial classifications (SIC); part 2 describes the conversion of all the historical shipments and inventory data to the 1987 classifications, and benchmarking to the 1987 census and 1988 ASM data on the 1987 SIC basis.

Part 1.A. Shipments and inventory monthly data for the 80 M3 industry categories are benchmarked to 1987 ASM estimates using the monthly data form of the objective function

for  $i=0$ =Jan 1982  
 $i=n$ =Dec 1990

Constraints for shipments are  $Y_{kj}$ , for  $j=0$  through 5  
 where  $j=0$ =1982 census annual shipments

$j=1$ =1983 ASM annual shipments  
 $j=2$ =1984 ASM annual shipments  
 $j=3$ =1985 ASM annual shipments  
 $j=4$ =1986 ASM annual shipments  
 $j=5$ =1987 ASM annual shipments

Constraints for inventories are  $Y_{Lj}$  for  $j=0$  through 5  
 where  $j=0$ =1982 census end-of-year inventories

$j=1$ =1984 ASM beginning-of-year inventories  
 $j=2$ =1984 ASM end-of-year inventories  
 $j=3$ =1985 ASM end-of-year inventories  
 $j=4$ =1986 ASM end-of-year inventories  
 $j=5$ =1987 ASM end-of-year inventories

Stage of fabrication inventories are tabulated and benchmarked at the 2-digit major group level using the procedure described for total inventories.

Part 1.B. Shipments and inventory data resulting from Part 1.A. are benchmarked to 1987 census levels, on the 1972 classification basis, in two steps. First, the annual shipments and end-of-year inventories are adjusted to the annual data from the census using the yearly form of the objective function, as defined in Part 1.A., with constraints for shipments, of  $Y_{kj}$

where  $j=0$ =1982 census annual shipments  
 $j=1$ =1987 census annual shipments

and with constraints for inventories of  $Y_{Lj}$

where  $j=0$ =1982 end-of-year inventories  
 $j=1$ =1987 end-of-year inventories

Second, the monthly data calculated in Part 1.A. for shipments and inventories are benchmarked to be consistent with 1987 census data on the 1972 SIC basis, using the adjusted annual data calculated in the first step above as constraints.

Inventories by stage of fabrication are unavailable from the 1987 census data on a 1972 SIC basis. Therefore, the stage of fabrication monthly data were adjusted to the census levels at the 2-digit SIC level as follows:

$$T I_i^0 = \sum_{c=1}^x X_{Li}$$



$$TI_i^A = \sum_{c=1}^x Y_{Li}$$

$$MI_i^A = MI_i^0 (TI_i^A / TI_i^0)$$

$$WI_i^A = WI_i^0 (TI_i^A / TI_i^0)$$

$$FI_i^A = FI_i^0 (TI_i^A / TI_i^0)$$

for  $i=0$ =Jan 1982

$n$ =Dec 1990

$c=1$  through  $x$  = number of M3 industry categories in 2-digit SIC

where  $X_{Li}$  = original monthly value of total inventories for M3 industry categories

$Y_{Li}$  = revised monthly value of total inventories for M3 industry categories

$TI_i^0$  and  $TI_i^A$  = total inventories, original and as adjusted

$MI_i^0$  and  $MI_i^A$  = materials and supplies, original and as adjusted

$WI_i^0$  and  $WI_i^A$  = work in process, original and as adjusted

$FI_i^0$  and  $FI_i^A$  = finished goods, original and as adjusted

Part 2. The revised shipments and total inventories series developed in Part 1 were joined to their historical data for 1958 through 1981 and converted to 1987 SIC definitions according to the following procedure.

For annual shipments:

$$Y_{K87j} = Y_{K72j} \pm [ (Y_{P72j} / Y_{TP72j}) ] (Y_{SI72j})$$

for  $j = 0$  through  $m$

where  $0 = 1958$

$m = 1986$

$Y_{K87j}$  = annual shipments on 1987 SIC basis

$Y_{K72j}$  = annual shipments as adjusted in 1.B.

$Y_{P72j}$  = value of products reclassified

$Y_{TP72j}$  = value of all products in industry having some of its products reclassified

$Y_{SI72j}$  = 4-digit industry value of shipments

Where an entire industry is reclassified,

$$(Y_{P72j} / Y_{TP72j}) = 1$$

Where no products were reclassified  $Y_{P72j} = 0$

For end-of-year total inventories

$$Y_{L87j} = Y_{L72j} \pm [ (Y_{TI72j} / Y_{SI72j}) ] (Y_{P72j})$$

for  $j = 0$  through  $m$

where  $0 = 1958$

$m = 1986$

$Y_{L87j}$  = end-of-year inventories on 1987 SIC basis

$Y_{L72j}$  = end-of-year inventories as adjusted in 1.B.

$Y_{TI72j}$  = end-of-year inventory for 4-digit industry where products were reclassified

$Y_{SI72j}$  = value of shipments for that industry

$Y_{P72j}$  = value of products reclassified

Where an entire industry is reclassified,  $Y_{SI72j} = Y_{P72j}$

Monthly data for shipments and total inventories for 1958 through 1990 resulting from the procedure in Part 1.A. are adjusted to the 1987 SIC basis using the same procedure as in Part 1.A. with the annual constraints calculated in Part 2.A. for 1958 through 1986; and, for shipments, 1987 census and 1988 ASM data; for inventories, 1987 census beginning and end year data, and 1988 end-of-year ASM data.

For inventories by stage of fabrication, the monthly data as calculated in Part 1.B. are converted to the 1987 SIC basis in two steps. First, the monthly data for January 1958 through December 1990 are adjusted using the equations specified in Part 1.B., substituting

$$\begin{array}{ll} Y_{L87i} & \text{for } Y_{Li} \\ TI_{87i} & \text{for } TI_i^A \\ MI_{87i} & \text{for } MI_i^A \\ WI_{87i} & \text{for } WI_i^A \\ FI_{87i} & \text{for } FI_i^A \end{array}$$

where  $Y_{L87i}$  = monthly inventory values adjusted to the 1987 SIC basis for M3 industry categories

$TI_{87i}$  = monthly inventories at 2-digit level on 1987 SIC basis

$MI_{87i}$  = end-of-year materials and supply inventories

$WI_{87i}$  = end-of-year work in process inventories

$FI_{87i}$  = end-of-year finished goods inventories

Second, each stage of fabrication series is benchmarked to the 1987 beginning and end-of-year, and 1988 end-of-year stage of fabrication data at the 2-digit level using the monthly form of the revision minimization technique described in Part 1.A.



for  $j = 0 =$  1987 beginning year census inventories

$j = 1 =$  1987 end-of-year census inventories

$j = 2 =$  1988 end-of-year ASM inventories

Any imbalances between the sum of the three stages of fabrication and the total inventory data at the 2-digit level are corrected by the following procedure:

$$MI_{87i}^A = MI_{87i} [ TI_{87i} / (MI_{87i} + WI_{87i} + FI_{87i}) ]$$

$$WI_{87i}^A = WI_{87i} [ TI_{87i} / (MI_{87i} + WI_{87i} + FI_{87i}) ]$$

$$FI_{87i}^A = FI_{87i} [ TI_{87i} / (MI_{87i} + WI_{87i} + FI_{87i}) ]$$



Table D-1. BENCHMARK DATA FOR SHIPMENTS AND TOTAL INVENTORIES FOR M3 INDUSTRY CATEGORIES

Industry category	Annual shipments		Inventories		
	1988 ASM	1987 Census	Ending		Beginning 1987 Census
			1988 ASM	1987 Census	
<b>All manufacturing industries.....</b>	<b>2,682,509</b>	<b>2,475,901</b>	<b>361,472</b>	<b>332,614</b>	<b>317,567</b>
<b>Durable goods industries.....</b>	<b>1,415,922</b>	<b>1,297,528</b>	<b>236,517</b>	<b>216,338</b>	<b>207,865</b>
Lumber and wood products.....	72,065	69,747	7,682	7,230	6,873
Wood containers, pallets, and skids.....	2,294	2,069	212	193	181
Wood buildings and mobile homes.....	6,627	6,575	482	473	453
All other wood products.....	63,143	61,103	6,988	6,564	6,239
Furniture and fixtures.....	39,226	37,462	5,720	5,407	5,013
Household furniture.....	19,131	18,559	3,013	2,794	2,548
All other furniture.....	20,095	18,903	2,707	2,613	2,465
Stone, clay, and glass products.....	63,059	61,477	7,373	7,031	6,967
Glass containers.....	4,704	4,778	846	738	707
Kitchen articles and pottery.....	892	911	182	181	174
Other stone, clay, and glass products.....	57,462	55,788	6,346	6,114	6,086
Primary metals industries.....	149,080	120,248	22,271	18,978	18,334
Blast furnaces and steel mill products.....	64,058	51,815	10,611	8,672	8,615
Iron and steel foundry products.....	12,066	10,628	1,372	1,238	1,157
Nonferrous and other primary metal products.....	72,954	57,805	10,287	9,068	8,562
Fabricated metal products.....	158,834	147,366	24,380	22,554	21,754
Metal cans and shipping containers.....	12,556	12,114	1,569	1,545	1,417
Cutlery and handtools.....	5,706	5,335	1,108	1,063	1,054
Building materials and wire products.....	62,188	58,146	9,855	8,945	8,648
Ordnance and accessories.....	8,022	7,644	1,433	1,510	1,371
Other fabricated metal products.....	70,361	64,128	10,416	9,492	9,264
Industrial machinery and equipment.....	243,261	217,670	46,513	42,278	41,590
Steam engines and turbines.....	3,791	3,448	1,443	1,272	1,143
Internal combustion engines.....	12,432	11,123	1,656	1,384	1,361
Farm and garden machinery.....	13,560	11,474	2,616	2,278	2,171
Construction, mining, and material handling equipment.....	27,749	24,622	6,601	6,122	6,527
Metalworking machinery.....	24,365	22,004	5,061	4,743	4,820
Special industry machinery.....	19,066	17,096	4,561	4,137	3,866
General industrial machinery.....	27,198	24,121	6,165	5,710	5,715
Computer and office equipment.....	67,644	60,627	11,171	9,856	9,472
Refrigeration, heating and service industry machinery.....	25,578	23,235	4,049	3,755	3,453
Industrial machinery, n.e.c.....	21,875	19,921	3,192	3,022	3,062
Electronic and other electrical machinery.....	186,951	171,286	30,733	29,088	27,920
Electrical transmission and distribution equipment.....	9,097	8,197	1,454	1,234	1,311
Electrical industrial apparatus.....	16,819	15,266	3,212	3,053	3,056
Household appliances.....	17,332	16,498	2,720	2,574	2,387
Electric lighting and wiring equipment.....	19,236	18,004	3,084	2,914	2,750
Household audio and video equipment.....	8,360	7,833	954	1,009	892
Communication equipment.....	36,093	34,001	6,586	6,135	6,079
Electronic components and accessories.....	56,999	50,258	9,030	8,382	7,897
Miscellaneous electrical equipment and supplies.....	23,013	21,230	3,693	3,786	3,548
Transportation equipment.....	354,048	332,936	61,417	55,062	52,119
Motor vehicle parts.....	79,516	72,577	7,882	7,287	7,017
Motor vehicle assembly operations.....	142,060	133,346	4,256	4,622	4,435
Complete aircraft, missiles and space vehicles.....	64,006	60,659	31,310	26,187	24,881
Aircraft, missiles and space vehicle parts.....	43,740	42,931	14,064	13,160	12,294
Shipbuilding and tanks.....	10,939	11,026	1,714	1,803	1,709
Railroad equipment.....	3,286	2,471	803	736	650
Other transportation equipment.....	10,501	9,926	1,388	1,267	1,133
Instruments and related products.....	114,528	107,325	24,279	23,013	21,851
Search and navigation equipment.....	36,596	36,267	9,187	9,455	8,702



Table D-1. **BENCHMARK DATA FOR SHIPMENTS AND TOTAL INVENTORIES FOR M3 INDUSTRY CATEGORIES—Con.**

Industry category	Annual shipments		Inventories		
	1988 ASM	1987 Census	Ending		Beginning 1987 Census
			1988 ASM	1987 Census	
<b>Durable goods industries—Con.</b>					
Instruments and related products—Con.					
Measuring and controlling devices .....	28,815	26,042	6,649	6,242	6,029
Medical instruments and supplies .....	25,330	22,865	4,908	4,304	4,069
Ophthalmic goods, watches, and clocks .....	3,241	2,910	660	598	573
Photographic goods .....	20,546	19,241	2,874	2,416	2,478
Other durable goods .....	34,869	32,012	6,151	5,697	5,444
Miscellaneous personal goods .....	18,887	17,398	3,779	3,530	3,304
Other durable goods .....	15,981	14,614	2,371	2,167	2,140
<b>Nondurable goods industries .....</b>	<b>1,266,587</b>	<b>1,178,373</b>	<b>124,955</b>	<b>116,276</b>	<b>109,702</b>
Food and kindred products .....	351,515	329,725	27,352	25,305	24,285
Meat products .....	81,189	77,002	2,516	2,210	2,093
Dairy products .....	46,944	44,755	2,145	2,032	1,952
Fats and oils .....	20,517	15,881	2,071	1,526	1,088
Beverages .....	49,722	47,327	4,881	4,553	4,590
Other food and kindred products .....	153,141	144,760	15,740	14,985	14,562
Tobacco products .....	23,832	20,757	5,475	5,562	5,711
Textile mill products .....	64,768	62,786	8,079	7,643	6,939
Broadwoven fabrics and other textiles .....	41,288	39,461	4,927	4,625	4,170
Knitting mill products .....	13,224	13,531	1,839	1,729	1,622
Carpets and rugs .....	10,256	9,795	1,313	1,289	1,147
Apparel and other finished textile products .....	65,031	64,243	9,309	8,974	8,422
Paper and allied products .....	122,556	108,989	12,386	11,111	10,199
Pulp, paper, and paperboard mill products .....	54,900	46,961	4,442	3,998	3,771
Paperboard containers and boxes .....	28,193	25,863	3,257	2,961	2,617
Miscellaneous converted paper products .....	39,462	36,165	4,686	4,152	3,811
Printing, publishing, and allied industries .....	143,907	136,196	11,097	9,941	9,318
Newspapers, periodicals, and books .....	68,675	65,055	4,689	4,144	3,879
Other publishing and printing .....	75,231	71,141	6,408	5,796	5,439
Chemicals and allied products .....	259,699	229,546	29,372	26,388	25,558
Industrial chemicals .....	145,483	126,177	15,268	13,737	13,505
Paints and related products .....	16,296	15,091	2,170	1,905	1,827
Drugs, soaps, and toiletries .....	81,842	74,011	9,898	8,860	8,250
Agricultural chemicals .....	16,077	14,267	2,036	1,886	1,976
Petroleum and coal products .....	131,415	130,414	9,022	9,797	8,644
Asphalt paving and roofing materials .....	7,930	7,749	488	470	418
Petroleum refining products .....	123,485	122,665	8,533	9,327	8,226
Rubber and miscellaneous plastics products .....	94,200	86,634	11,144	9,983	9,178
Tires and tubes .....	11,240	10,427	1,112	1,024	969
Rubber and plastics footwear, hose, belting, gaskets, and other rubber products .....	15,718	14,432	2,104	1,960	1,871
Miscellaneous plastics products n.e.c. ....	67,242	61,775	7,929	6,998	6,338
Leather and leather products .....	9,664	9,082	1,721	1,573	1,448
Leather tanning and finishing, and footwear cut stock .....	2,810	2,543	463	422	360
Other leather products .....	6,854	6,540	1,258	1,151	1,088



Table D-3. ANNUAL SHIPMENTS PUBLISHED IN THE ASM/CENSUS AND AS ADJUSTED

Industry category	1988	1987	1986	1985	1984	1983	1982
<b>All manufacturing industries:</b>							
1972 SIC basis:							
As published .....	(NA)	2,474,646	2,260,317	2,280,188	2,254,430	2,054,899	1,960,200
As adjusted .....	(NA)	2,474,646	2,335,881	2,334,449	2,288,188	2,070,565	1,960,210
1987 SIC basis:							
As published/estimated .....	2,682,492	2,475,906	2,335,881	2,334,456	2,288,184	2,070,564	1,960,214
<b>Durable goods industries:</b>							
1972 SIC basis:							
As published .....	(NA)	1,298,956	1,199,867	1,188,233	1,159,480	1,019,468	952,228
As adjusted .....	(NA)	1,298,956	1,241,067	1,217,509	1,177,325	1,027,576	952,234
1987 SIC basis:							
As published/estimated .....	1,415,910	1,297,532	1,238,859	1,215,352	1,175,276	1,025,770	950,541
<b>Lumber and wood products:</b>							
1972 SIC basis:							
As published .....	(NA)	69,732	58,158	54,185	54,682	51,305	42,938
As adjusted .....	(NA)	69,732	62,256	57,034	56,422	52,024	42,935
1987 SIC basis:							
As published/estimated .....	72,064	69,747	62,433	57,304	56,690	52,253	43,130
<b>Furniture and fixtures:</b>							
1972 SIC basis:							
As published .....	(NA)	37,462	33,081	31,294	30,001	26,549	24,129
As adjusted .....	(NA)	37,462	34,651	32,383	30,653	26,845	24,129
1987 SIC basis:							
As published/estimated .....	39,226	37,462	34,651	32,383	30,653	26,845	24,129
<b>Stone, clay, and glass products:</b>							
1972 SIC basis:							
As published .....	(NA)	63,076	57,274	55,112	53,406	48,705	45,182
As adjusted .....	(NA)	63,076	61,441	58,031	55,184	49,511	45,181
1987 SIC basis:							
As published/estimated .....	63,058	61,477	59,254	55,821	53,101	47,697	43,515
<b>Primary metals industries:</b>							
1972 SIC basis:							
As published .....	(NA)	120,222	105,648	110,532	119,088	108,524	104,667
As adjusted .....	(NA)	120,222	107,639	112,044	120,071	108,993	104,666
1987 SIC basis:							
As published/estimated .....	149,078	120,248	107,865	112,265	120,315	109,240	104,874
<b>Fabricated metal products:</b>							
1972 SIC basis:							
As published .....	(NA)	147,275	137,976	139,580	135,871	122,116	119,444
As adjusted .....	(NA)	147,275	143,289	143,488	138,351	123,330	119,445
1987 SIC basis:							
As published/estimated .....	158,833	147,367	143,063	143,268	138,107	123,083	119,236
<b>Industrial machinery and equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	219,087	208,529	215,240	210,404	178,962	187,898
As adjusted .....	(NA)	219,087	214,683	219,716	213,185	180,318	187,897
1987 SIC basis:							
As published/estimated .....	243,258	217,671	213,574	218,408	211,075	178,446	186,773
<b>Electronic and other electrical equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	209,930	196,245	193,370	187,577	159,202	147,940
As adjusted .....	(NA)	209,930	200,664	196,534	189,481	160,065	147,944
1987 SIC basis:							
As published/estimated .....	186,949	171,287	164,811	163,951	162,362	136,138	125,728
<b>Transportation equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	332,936	313,826	301,385	281,242	244,079	201,345
As adjusted .....	(NA)	332,936	322,688	307,380	284,593	245,392	201,347
1987 SIC basis:							
As published/estimated .....	354,048	332,936	322,688	307,380	284,593	245,392	201,347



Table D-3. **ANNUAL SHIPMENTS PUBLISHED IN THE ASM/CENSUS AND AS ADJUSTED—Con.**

Industry category	1988	1987	1986	1985	1984	1983	1982
<b>Instruments and related products:</b>							
1972 SIC basis:							
As published .....	(NA)	67,346	61,910	61,008	59,447	53,601	51,797
As adjusted .....	(NA)	67,346	64,033	62,534	60,403	54,059	51,799
1987 SIC basis:							
As published/estimated .....	114,528	107,325	100,798	96,207	89,398	79,637	74,918
<b>Other durable goods:</b>							
1972 SIC basis:							
As published .....	(NA)	31,890	27,220	26,527	27,762	26,425	26,888
As adjusted .....	(NA)	31,890	29,723	28,365	28,982	27,039	26,891
1987 SIC basis:							
As published/estimated .....	34,868	32,012	29,722	28,365	28,981	27,038	26,892
<b>Nondurable goods industries:</b>							
1972 SIC basis:							
As published .....	(NA)	1,175,690	1,060,450	1,091,955	1,094,950	1,035,431	1,007,972
As adjusted .....	(NA)	1,175,690	1,094,810	1,116,940	1,110,863	1,042,989	1,007,976
1987 SIC basis:							
As published/estimated .....	1,266,582	1,178,374	1,097,022	1,119,104	1,112,908	1,044,794	1,009,673
<b>Food and kindred products:</b>							
1972 SIC basis:							
As published .....	(NA)	329,725	308,523	301,562	300,014	287,083	280,528
As adjusted .....	(NA)	329,725	318,203	308,606	304,584	289,314	280,529
1987 SIC basis:							
As published/estimated .....	351,513	329,725	318,203	308,606	304,584	289,314	280,529
<b>Tobacco products:</b>							
1972 SIC basis:							
As published .....	(NA)	20,757	19,073	18,507	17,439	16,252	16,060
As adjusted .....	(NA)	20,757	19,146	18,559	17,473	16,268	16,061
1987 SIC basis:							
As published/estimated .....	23,832	20,757	19,146	18,559	17,473	16,268	16,061
<b>Textile mill products:</b>							
1972 SIC basis:							
As published .....	(NA)	62,787	55,349	53,277	55,488	53,359	47,510
As adjusted .....	(NA)	62,787	57,188	54,606	56,336	53,734	47,515
1987 SIC basis:							
As published/estimated .....	64,768	62,787	57,188	54,605	56,336	53,733	47,516
<b>Apparel and other finished textile products:</b>							
1972 SIC basis:							
As published .....	(NA)	64,243	57,919	56,993	57,577	55,373	53,387
As adjusted .....	(NA)	64,243	61,935	59,928	59,478	56,284	53,388
1987 SIC basis:							
As published/estimated .....	65,031	64,243	61,935	59,928	59,478	56,284	53,388
<b>Paper and allied products:</b>							
1972 SIC basis:							
As published .....	(NA)	109,157	97,854	93,393	94,813	84,589	79,896
As adjusted .....	(NA)	109,157	100,043	94,950	95,793	85,046	79,894
1987 SIC basis:							
As published/estimated .....	122,555	108,989	99,865	94,679	95,525	84,817	79,698
<b>Printing, publishing, and allied industries:</b>							
1972 SIC basis:							
As published .....	(NA)	136,196	118,570	111,885	103,530	92,835	85,798
As adjusted .....	(NA)	136,196	125,622	116,766	106,489	94,191	85,797
1987 SIC basis:							
As published/estimated .....	143,906	136,196	125,622	116,766	106,489	94,191	85,797
<b>Chemicals and allied products:</b>							
1972 SIC basis:							
As published .....	(NA)	220,710	197,090	197,312	198,230	183,209	170,737
As adjusted .....	(NA)	220,710	201,225	200,375	200,180	184,112	170,738
1987 SIC basis:							
As published/estimated .....	259,698	229,546	205,711	204,790	205,963	189,552	176,254



Table D-3. **ANNUAL SHIPMENTS PUBLISHED IN THE ASM/CENSUS AND AS ADJUSTED—Con.**

Industry category	1988	1987	1986	1985	1984	1983	1982
Petroleum and coal products:							
1972 SIC basis:							
As published .....	(NA)	139,098	124,878	179,135	189,013	192,570	208,922
As adjusted .....	(NA)	139,098	127,092	180,988	190,272	193,228	208,919
1987 SIC basis:							
As published/estimated .....	131,415	130,414	122,605	176,574	184,488	187,788	203,404
Rubber and miscellaneous products:							
1972 SIC basis:							
As published .....	(NA)	83,934	73,385	71,324	69,514	60,331	55,415
As adjusted .....	(NA)	83,934	75,992	73,155	70,624	60,835	55,416
1987 SIC basis:							
As published/estimated .....	94,200	86,634	78,379	75,590	72,938	62,870	57,307
Leather and leather products:							
1972 SIC basis:							
As published .....	(NA)	9,083	7,809	8,567	9,332	9,830	9,719
As adjusted .....	(NA)	9,083	8,368	9,007	9,634	9,977	9,719
1987 SIC basis:							
As published/estimated .....	9,664	9,083	8,368	9,007	9,634	9,977	9,719

(NA) Not available.



Table D-4. **END-OF-YEAR INVENTORIES AS ORIGINALLY PUBLISHED IN THE ASM/CENSUS AND AS ADJUSTED**

Industry category	1988	1987 <sup>1</sup>	1986 <sup>2</sup>	1985	1984	1983 <sup>3</sup>	1982
<b>All manufacturing industries:</b>							
1972 SIC basis:							
As published .....	(NA)	332,376	311,124	322,370	329,593	308,002	307,212
As adjusted .....	(NA)	332,376	320,752	329,556	334,237	307,676	307,212
1987 SIC basis:							
As published/estimated .....	361,477	332,619	317,567	329,555	334,236	307,675	307,212
<b>Durable goods industries:</b>							
1972 SIC basis:							
As published .....	(NA)	216,538	204,227	209,891	214,532	196,566	197,034
As adjusted .....	(NA)	216,538	210,231	214,383	217,438	196,376	197,034
1987 SIC basis:							
As published/estimated .....	236,520	216,343	207,865	213,978	217,049	196,002	196,663
<b>Lumber and wood products:</b>							
1972 SIC basis:							
As published .....	(NA)	7,236	6,572	6,355	6,409	6,491	5,719
As adjusted .....	(NA)	7,236	6,925	6,610	6,573	6,416	5,719
1987 SIC basis:							
As published/estimated .....	7,682	7,230	6,873	6,637	6,600	6,439	5,743
<b>Furniture and fixtures:</b>							
1972 SIC basis:							
As published .....	(NA)	5,407	4,851	4,734	4,793	4,404	3,998
As adjusted .....	(NA)	5,407	5,102	4,914	4,903	4,394	3,998
1987 SIC basis:							
As published/estimated .....	5,720	5,407	5,013	4,914	4,903	4,394	3,998
<b>Stone, clay, and glass products:</b>							
1972 SIC basis:							
As published .....	(NA)	7,331	6,973	6,983	7,074	6,936	6,710
As adjusted .....	(NA)	7,331	7,389	7,291	7,273	6,840	6,710
1987 SIC basis:							
As published/estimated .....	7,374	7,033	6,967	6,912	6,909	6,497	6,371
<b>Primary metals industries:</b>							
1972 SIC basis:							
As published .....	(NA)	18,973	17,629	19,451	21,918	22,018	23,858
As adjusted .....	(NA)	18,873	18,027	19,771	22,143	21,991	23,858
1987 SIC basis:							
As published/estimated .....	22,270	18,978	18,334	19,807	22,184	22,035	23,897
<b>Fabricated metal products:</b>							
1972 SIC basis:							
As published .....	(NA)	22,522	21,384	21,923	22,568	21,553	21,137
As adjusted .....	(NA)	22,522	22,263	22,577	22,996	21,460	21,137
1987 SIC basis:							
As published/estimated .....	24,381	22,555	21,754	22,541	22,955	21,416	21,098
<b>Industrial machinery and equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	42,349	41,202	44,589	47,379	43,882	47,181
As adjusted .....	(NA)	42,349	42,728	45,752	48,133	44,007	47,181
1987 SIC basis:							
As published/estimated .....	46,515	42,279	41,590	45,619	47,802	43,710	47,024
<b>Electronic and other electrical equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	39,152	37,456	37,568	37,571	31,407	30,004
As adjusted .....	(NA)	39,152	38,168	38,087	37,891	31,881	30,004
1987 SIC basis:							
As published/estimated .....	30,733	29,087	27,920	29,791	30,871	26,277	24,502
<b>Transportation equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	55,062	50,924	50,948	49,477	43,491	42,282
As adjusted .....	(NA)	55,062	51,637	51,484	49,817	43,008	42,282
1987 SIC basis:							
As published/estimated .....	61,417	55,062	52,119	51,484	49,817	43,008	42,282



Table D-4. **END-OF-YEAR INVENTORIES AS ORIGINALLY PUBLISHED IN THE ASM/CENSUS AND AS ADJUSTED—Con.**

Industry category	1988	1987 <sup>1</sup>	1986 <sup>2</sup>	1985	1984	1983 <sup>3</sup>	1982
<b>Instruments and related products:</b>							
1972 SIC basis:							
As published .....	(NA)	12,833	12,217	12,354	12,165	11,192	10,925
As adjusted .....	(NA)	12,833	12,595	12,631	12,341	11,404	10,925
1987 SIC basis:							
As published/estimated .....	24,278	23,015	21,851	21,007	19,640	17,251	16,528
<b>Other durable goods:</b>							
1972 SIC basis:							
As published .....	(NA)	5,673	5,019	4,986	5,178	5,192	5,220
As adjusted .....	(NA)	5,673	5,397	5,266	5,368	4,975	5,220
1987 SIC basis:							
As published/estimated .....	6,150	5,697	5,444	5,266	5,368	4,975	5,220
<b>Nondurable goods industries:</b>							
1972 SIC basis:							
As published .....	(NA)	115,838	106,897	112,479	115,061	111,436	110,178
As adjusted .....	(NA)	115,838	110,521	115,173	116,799	111,300	110,178
1987 SIC basis:							
As published/estimated .....	124,957	116,276	109,702	115,577	117,187	111,673	110,549
<b>Food and kindred products:</b>							
1972 SIC basis:							
As published .....	(NA)	25,306	24,020	24,024	24,398	24,057	23,565
As adjusted .....	(NA)	25,306	24,561	24,427	24,663	24,151	23,565
1987 SIC basis:							
As published/estimated .....	27,353	25,306	24,285	24,427	24,663	24,151	23,565
<b>Tobacco products:</b>							
1972 SIC basis:							
As published .....	(NA)	5,562	5,926	6,231	6,867	7,183	7,186
As adjusted .....	(NA)	5,562	5,956	6,255	6,883	7,087	7,186
1987 SIC basis:							
As published/estimated .....	5,475	5,562	5,711	6,255	6,883	7,087	7,186
<b>Textile mill products:</b>							
1972 SIC basis:							
As published .....	(NA)	7,643	6,896	6,989	7,465	7,291	6,551
As adjusted .....	(NA)	7,643	7,175	7,198	7,599	7,312	6,551
1987 SIC basis:							
As published/estimated .....	8,079	7,643	6,939	7,197	7,599	7,312	6,551
<b>Apparel and other finished textile products:</b>							
1972 SIC basis:							
As published .....	(NA)	8,974	7,876	7,998	8,247	7,759	7,183
As adjusted .....	(NA)	8,974	8,534	8,482	8,554	7,818	7,183
1987 SIC basis:							
As published/estimated .....	9,309	8,974	8,422	8,482	8,554	7,818	7,183
<b>Paper and allied products:</b>							
1972 SIC basis:							
As published .....	(NA)	11,130	10,238	9,895	10,079	9,212	8,922
As adjusted .....	(NA)	11,130	10,527	10,099	10,210	9,098	8,922
1987 SIC basis:							
As published/estimated .....	12,385	11,111	10,199	10,072	10,183	9,075	8,898
<b>Printing, publishing, and allied industries:</b>							
1972 SIC basis:							
As published .....	(NA)	9,940	8,859	8,492	8,475	7,594	7,039
As adjusted .....	(NA)	9,940	9,395	8,867	8,708	7,626	7,039
1987 SIC basis:							
As published/estimated .....	11,097	9,940	9,318	8,867	8,708	7,626	7,039
<b>Chemicals and allied products:</b>							
1972 SIC basis:							
As published .....	(NA)	25,664	24,215	25,108	25,472	24,360	23,830
As adjusted .....	(NA)	25,664	24,876	25,613	25,805	24,119	23,830
1987 SIC basis:							
As published/estimated .....	29,372	26,388	25,558	25,952	26,238	24,532	24,278



Table D-4. **END-OF-YEAR INVENTORIES AS ORIGINALLY PUBLISHED IN THE ASM/CENSUS AND AS ADJUSTED**—Con.

Industry category	1988	1987 <sup>1</sup>	1986 <sup>2</sup>	1985	1984	1983 <sup>3</sup>	1982
Petroleum and coal products:							
1972 SIC basis:							
As published .....	(NA)	10,515	9,163	13,909	14,348	15,059	17,180
As adjusted .....	(NA)	10,515	9,364	14,085	14,469	15,012	17,180
1987 SIC basis:							
As published/estimated .....	9,021	9,797	8,644	13,746	14,036	14,599	16,732
Rubber and miscellaneous products:							
1972 SIC basis:							
As published .....	(NA)	9,531	8,333	8,385	8,167	7,370	7,201
As adjusted .....	(NA)	9,531	8,684	8,640	8,326	7,522	7,201
1987 SIC basis:							
As published/estimated .....	11,145	9,982	9,178	9,072	8,741	7,918	7,596
Leather and leather products:							
1972 SIC basis:							
As published .....	(NA)	1,573	1,371	1,448	1,543	1,551	1,521
As adjusted .....	(NA)	1,573	1,449	1,507	1,582	1,555	1,521
1987 SIC basis:							
As published/estimated .....	1,721	1,573	1,448	1,507	1,582	1,555	1,521

(NA) Not available.

<sup>1</sup>The 1987 end-of-year inventories on the 1972 SIC basis were summed from the separate industry reports for 1987. The 1987 end-of-year inventories on a 1987 SIC basis were published as prior period data in the 1988 ASM publication. These data might differ due to late corrections carried only to the 1987 SIC based data.

<sup>2</sup>The 1986 end-of-year inventories on the 1972 SIC basis are based on 1986 ASM end-of-year data. The 1986 data on the 1987 basis reflect the beginning year inventory data collected in the 1987 census.

<sup>3</sup>The 1983 end-of-year inventories from the 1983 ASM were replaced with 1984 beginning year data because of significant revisions made after the 1983 ASM data were issued.







## Appendix E. Value of Manufacturers' Unfilled Orders Used in Benchmarking Monthly M3 Estimates

The estimation procedure followed in calculating new and unfilled orders consistent with the benchmarked shipments and inventory data discussed in Appendix D is described below. Revisions to the unfilled orders estimates are based on a trend revision minimization approach defined by objective function F for monthly data

$$1) \quad F = \sum_{i=0}^{n-1} [ (Y_{i+1}/Y_i) - (X_{i+1}/X_i) ]^2$$

where  $Y_{i+1}/Y_i$  = revised ratio of change from month<sub>i</sub> to month<sub>i+1</sub>

$X_{i+1}/X_i$  = original ratio of change from month<sub>i</sub> to month<sub>i+1</sub>

for annual data

$$2) \quad F = \sum_{j=0}^{m-1} [ (Y_{j+1}/Y_j) - (X_{j+1}/X_j) ]^2$$

where  $Y_{j+1}/Y_j$  = revised ratio of change from year<sub>j</sub> to year<sub>j+1</sub>

$X_{j+1}/X_j$  = original ratio of change from year<sub>j</sub> to year<sub>j+1</sub>

Part 1 describes the steps followed in adjusting unfilled orders data for 1982 and later consistent with the 1987 census shipments levels on the 1972 SIC basis. Part 2 describes adjustments made to the historical data back to 1958 to be consistent with 1987 industry classifications. Part 3 describes the procedure for deriving monthly and annual new orders estimates.

Part 1.A. Monthly unfilled orders data for 1982 and later are adjusted to be consistent with the 1987 ASM shipments estimates on the 1972 basis using the monthly form of the objective function

for  $i=0$  = January 1982  
for  $n$  = December 1990

with constraints for end-of-year unfilled orders ( $Y_{uj}$ ) as follows:

for  $j=0$  through 4, the current M3 end-of-year unfilled orders estimates for 1982 through 1986

for  $j=5$  = 1987

$$Y_{u5}^A = Y_{u5}^{M3} (Y_{k5}^A / Y_{k5}^{M3})$$

where  $Y_{u5}^A$  = adjusted end-of-year 1987 unfilled orders

$Y_{u5}^{M3}$  = original M3 end-of-year 1987 unfilled orders

$Y_{k5}^A$  = ASM shipments estimate for 1987 (1972 SIC basis)

$Y_{k5}^{M3}$  = M3 shipments estimate for 1987 (1972 SIC basis)

Part 1.B. The monthly unfilled orders data were then resmoothed with the same form of the objective function but modifying the constraints above by substituting the adjusted ASM shipments for 1983 through 1986 calculated in Appendix D, Part 1.B. and 1987 census shipments in the equations. The constraints were constructed as follows:

$$Y_{uj}^c = Y_{uj}^A (Y_{kj}^c / Y_{kj}^A)$$

for  $j=0$  = 1982,  $Y_{uj}^c = Y_{uj}^A$

for  $j=1$  through 4 = 1983 through 1986

$Y_{uj}^A = Y_{uj}^{M3}$  = current M3 unfilled orders estimates

$Y_{kj}^c$  = adjusted ASM shipments (see Appendix D, Part 1.B.)

$Y_{kj}^A$  = published ASM shipments

for  $j=5$  = 1987

$Y_{uj}^A = Y_{u5}^A$  as calculated in the previous step

$Y_{kj}^c$  = 1987 census shipments data

$Y_{kj}^A$  = unpublished 1987 ASM shipments

Part 2. Developing unfilled order estimates on a 1987 SIC basis was also a 2-stage process. First, the revised monthly data developed in Part 1.B. were joined to the historical data for 1958 through 1981. Second, revised end-of-year unfilled orders were calculated as follows:

for 1958 through 1986

$$Y_{u87j} = Y_{u72j} + \left[ \frac{\left( \sum_{i=10}^{12} Y_{uji} \right) / 3}{\left( \sum_{i=10}^{12} Y_{kji} \right) / 3} \right] \left( \frac{Y_{k87(j+1)} - Y_{k72(j+1)}}{12} \right)$$



for  $j = 0$  through  $m$

$j = 0 = 1958$

$m = 1986$

$i = 10$  through  $12$ ;  $10 = \text{October}$ ,  $11 = \text{November}$ ,

$12 = \text{December}$

$Y_{u87j} = \text{end-of-year unfilled orders on 1987 SIC basis}$

$Y_{u72j} = \text{end-of-year unfilled orders on 1972 SIC basis}$

$(\sum_{i=10}^{12} Y_{uji}) / 3 = \text{average monthly M3 unfilled orders for last quarter of year, 1972 SIC basis.}$

$(\sum_{i=10}^{12} Y_{kji}) / 3 = \text{average monthly shipments for last quarter of year, 1972 SIC basis}$

$Y_{k87(j+1)} - Y_{k72(j+1)} = \text{annual value of shipments reclassified;}$

Where no products were reclassified,

$Y_{k87j} - Y_{k72j} = 0$

for 1987

$$Y_{u87j} = \left[ \frac{(Y_{u72j}^c / Y_{k72j}^c)}{(Y_{u72(j-1)}^c / Y_{k72(j-1)}^c)} \right] \left( \frac{Y_{u87(j-1)}}{Y_{k87(j-1)}} \right) (Y_{k87j})$$

for  $j - 1 = 1986$

$j = 1987$

where  $Y_{u87j} = 1987 \text{ end-of-year unfilled orders on a 1987 SIC basis}$

$Y_{u72j}^c / Y_{k72j}^c = \text{ratio of unfilled orders to shipments for 1987 on a 1972 SIC basis}$

$Y_{u72(j-1)}^c / Y_{k72(j-1)}^c = \text{ratio of unfilled orders to shipments for 1986 on a 1972 SIC basis}$

$Y_{u87(j-1)} / Y_{k87(j-1)} = \text{ratio of unfilled orders to shipments for 1986 on 1987 SIC basis}$

$Y_{k87j} = 1987 \text{ census shipments on 1987 SIC basis}$

for 1988

$$Y_{u87(j+1)} = [ (Y_{u87(j+1)} / Y_{k87(j+1)})^{M3} ] Y_{k87(j+1)}$$

for  $j+1 = 1988$

where  $Y_{u87(j+1)} = 1988 \text{ revised unfilled orders estimate}$

$Y_{k87(j+1)} = 1988 \text{ ASM shipments estimate}$

$(Y_{u87(j+1)} / Y_{k87(j+1)})^{M3} = \text{unfilled order to shipments ratio in M3 survey as adjusted to the 1987 census}$

Using these unfilled order constraints for 1958 through 1988, monthly data for unfilled orders on a 1987 SIC basis were calculated using the monthly form of the objective function  $F$  as discussed earlier.

Part 3. Monthly and annual new orders estimates are derived consistent with the benchmarked shipments and unfilled orders monthly data using the following relation.

$$Y_{D(i+1)} = Y_{K(i+1)} + (Y_{u(i+1)} - Y_{ui})$$

for  $i = 0$  through  $n$

$0 = \text{December 1957}$

$n = \text{December 1990}$

where  $Y_{D(i+1)} = \text{Derived monthly new orders}$

$Y_{K(i+1)} = \text{Monthly M3 shipments after adjustments to 1987 SIC}$

$Y_{u(i+1)} - Y_{ui} = \text{change in monthly M3 unfilled orders after adjustments to 1987 SIC}$

for January 1958  $Y_{u(i+1)} = Y_{ui}$



Table E-1. **END-OF-YEAR UNFILLED ORDERS USED IN BENCHMARKING MONTHLY M-3 ESTIMATES**

Industry category	1988	1987	1986
<b>Durable goods industries:</b>			
Furniture and fixtures:			
Household furniture .....	1,924	2,328	2,010
All other furniture .....	2,757	2,690	2,283
Stone, clay, and glass products:			
Kitchen articles and pottery .....	81	69	47
Other stone, clay, and glass products .....	5,549	4,978	5,265
Primary metal industries:			
Blast furnaces, steel mills .....	11,266	11,600	8,652
Iron and steel foundries .....	2,491	2,137	1,841
Nonferrous and other primary metal products .....	12,602	10,018	7,521
Fabricated metal products:			
Cutlery and handtools .....	332	218	186
Building materials and wire products .....	9,940	10,525	10,367
Ordnance and accessories .....	8,017	9,874	8,606
Other fabricated metal products .....	12,670	11,570	10,105
Industrial machinery and equipment:			
Steam engines and turbines .....	2,551	3,097	3,106
Internal combustion engines .....	2,048	2,134	2,081
Construction, mining, and material handling equipment .....	7,977	6,725	6,297
Metalworking machinery .....	7,993	5,562	5,550
Special industry machinery .....	7,066	7,007	4,327
General industrial machinery .....	8,460	6,207	5,856
Computer and office equipment .....	12,983	13,301	13,674
Refrigeration, heating, and service industry machinery .....	4,168	3,975	3,387
Industrial machinery, n.e.c. ....	3,716	3,498	3,728
Electronic and other electrical equipment:			
Electrical transmission and distribution equipment .....	1,852	1,534	1,775
Electrical industrial apparatus .....	4,738	4,196	4,081
Household appliances .....	655	583	831
Electric lighting and wiring equipment .....	2,238	2,029	1,913
Household audio and video equipment .....	213	207	396
Communication equipment .....	31,833	32,161	33,698
Electronic components and accessories .....	14,795	15,401	12,955
Miscellaneous electrical equipment and supplies .....	2,677	2,332	2,246
Transportation equipment:			
Motor vehicle parts .....	8,895	10,084	8,962
Complete aircraft, missile and space vehicles .....	118,253	97,479	89,318
Aircraft, missile and space vehicle parts .....	57,244	47,924	44,916
Shipbuilding and tanks .....	26,552	20,702	18,170
Railroad equipment .....	2,318	1,508	669
Instruments and related products:			
Search and navigation equipment .....	32,276	36,479	35,745
Measuring and controlling devices .....	8,103	6,671	6,661
Medical instruments and supplies .....	7,123	6,622	5,762
Ophthalmic goods, watches, clocks and watchcases .....	427	315	232
Photographic goods .....	751	664	614
Other durable goods:			
Miscellaneous personal goods .....	1,008	1,011	947
Other durable goods .....	560	434	308
<b>Nondurable goods industries:</b>			
Textile mill products:			
Broadwoven fabrics and other textiles .....	8,451	9,214	6,986
Carpets and rugs .....	601	605	393
Paper and allied products:			
Pulp, paper and paperboard mill products .....	3,475	2,935	2,401
Paperboard containers and boxes .....	1,757	1,406	1,269
Miscellaneous converted paper products .....	2,300	1,803	1,782
Printing and publishing:			
Newspapers, periodicals and books .....	878	691	771
Other publishing and printing .....	2,081	2,083	1,533
Leather and leather products:			
Leather tanning and finishing and cut stock .....	309	333	249
Other leather products .....	1,280	1,671	780



Table E-2. **END-OF-YEAR UNFILLED ORDERS AS ORIGINALLY PUBLISHED AND AS ADJUSTED**

Industry category	1988	1987	1986	1985	1984	1983	1982
<b>All manufacturing industries:</b>							
1972 SIC basis:							
As published .....	(NA)	425,773	382,446	378,809	367,985	344,928	310,365
As adjusted .....	(NA)	425,773	390,690	384,725	371,805	346,803	310,365
1987 SIC basis:							
As published/estimated .....	468,232	426,590	391,252	386,288	368,235	342,591	306,187
<b>Durable goods industries:</b>							
1972 SIC basis:							
As published .....	(NA)	404,996	366,819	364,690	354,808	331,313	299,578
As adjusted .....	(NA)	404,996	374,508	370,214	358,401	333,076	299,578
1987 SIC basis:							
As published/estimated .....	447,100	405,849	375,088	371,785	354,837	328,870	295,405
<b>Lumber and wood products:</b>							
1972 SIC basis:							
As published .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1987 SIC basis:							
As published/estimated .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>Furniture and fixtures:</b>							
1972 SIC basis:							
As published .....	(NA)	5,018	4,091	3,762	4,031	3,919	3,007
As adjusted .....	(NA)	5,018	4,293	3,905	4,131	3,970	3,007
1987 SIC basis:							
As published/estimated .....	4,681	5,018	4,293	3,905	4,131	3,970	3,007
<b>Stone, clay, and glass products:</b>							
1972 SIC basis:							
As published .....	(NA)	5,142	5,067	4,919	4,226	3,368	2,696
As adjusted .....	(NA)	5,142	5,474	5,209	4,383	3,431	2,696
1987 SIC basis:							
As published/estimated .....	5,630	5,047	5,312	5,000	4,196	3,275	2,569
<b>Primary metals industries:</b>							
1972 SIC basis:							
As published .....	(NA)	23,800	17,680	17,385	17,471	19,485	14,924
As adjusted .....	(NA)	23,800	18,009	17,622	17,614	19,568	14,924
1987 SIC basis:							
As published/estimated .....	26,359	23,755	18,041	17,661	17,650	19,611	14,967
<b>Fabricated metal products:</b>							
1972 SIC basis:							
As published .....	(NA)	32,112	28,160	28,228	29,441	26,191	26,797
As adjusted .....	(NA)	32,112	29,248	29,018	29,992	26,459	26,797
1987 SIC basis:							
As published/estimated .....	30,959	32,187	29,264	28,977	29,946	26,403	26,726
<b>Industrial machinery and equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	52,343	47,555	52,972	53,492	53,724	53,270
As adjusted .....	(NA)	52,343	48,996	54,073	54,221	54,135	53,270
1987 SIC basis:							
As published/estimated .....	56,962	51,506	48,006	53,013	53,026	51,992	51,559
<b>Electronic and other electrical equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	93,659	90,397	88,470	81,072	70,670	61,781
As adjusted .....	(NA)	93,659	92,151	89,720	81,826	71,043	61,781
1987 SIC basis:							
As published/estimated .....	59,001	58,443	57,895	58,453	55,357	50,182	42,372
<b>Transportation equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	177,697	160,150	155,685	151,996	141,902	126,313
As adjusted .....	(NA)	177,697	162,035	156,993	152,891	142,281	126,313
1987 SIC basis:							
As published/estimated .....	213,260	177,697	162,035	156,993	152,891	142,281	126,313



[illegible]



Table E-2. **END-OF-YEAR UNFILLED ORDERS AS ORIGINALLY PUBLISHED AND AS ADJUSTED—Con.**

Industry category	1988	1987	1986	1985	1984	1983	1982
Petroleum and coal products:							
1972 SIC basis:							
As published .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1987 SIC basis:							
As published/estimated .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rubber and miscellaneous products:							
1972 SIC basis:							
As published .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1987 SIC basis:							
As published/estimated .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Leather and leather products:							
1972 SIC basis:							
As published .....	(NA)	2,004	961	1,181	989	1,046	777
As adjusted .....	(NA)	2,004	1,029	1,236	1,019	1,061	777
1987 SIC basis:							
As published/estimated .....	1,589	2,004	1,029	1,236	1,019	1,061	777

(NA) Not available.



Table E-3. ANNUAL NEW ORDERS AS ORIGINALLY PUBLISHED AND AS ADJUSTED

Industry category	1988	1987	1986	1985	1984	1983	1982
<b>All manufacturing industries:</b>							
1972 SIC basis:							
As published .....	(NA)	2,509,729	2,263,954	2,291,012	2,277,487	2,089,462	1,947,273
As adjusted .....	(NA)	2,509,729	2,341,846	2,347,369	2,313,190	2,107,003	1,947,283
1987 SIC basis:							
As published/estimated .....	2,704,689	2,493,124	2,323,865	2,336,332	2,298,440	2,093,188	1,936,370
<b>Durable goods industries:</b>							
1972 SIC basis:							
As published .....	(NA)	1,329,444	1,201,996	1,198,115	1,182,975	1,051,203	940,055
As adjusted .....	(NA)	1,329,444	1,245,361	1,229,322	1,202,650	1,061,074	940,061
1987 SIC basis:							
As published/estimated .....	1,437,716	1,310,173	1,225,182	1,216,123	1,185,855	1,045,455	927,450
<b>Lumber and wood products:</b>							
1972 SIC basis:							
As published .....	(NA)	69,732	58,158	54,185	54,682	51,305	42,938
As adjusted .....	(NA)	69,732	62,256	57,034	56,422	52,024	42,935
1987 SIC basis:							
As published/estimated .....	72,064	69,747	62,433	57,304	56,690	52,253	43,130
<b>Furniture and fixtures:</b>							
1972 SIC basis:							
As published .....	(NA)	38,187	33,410	31,025	30,113	27,461	23,509
As adjusted .....	(NA)	38,187	35,039	32,157	30,814	27,808	23,509
1987 SIC basis:							
As published/estimated .....	38,889	38,187	35,039	32,157	30,814	27,808	23,509
<b>Stone, clay, and glass products:</b>							
1972 SIC basis:							
As published .....	(NA)	62,744	57,422	55,805	54,264	49,377	44,612
As adjusted .....	(NA)	62,744	61,706	58,857	56,136	50,246	44,611
1987 SIC basis:							
As published/estimated .....	63,641	61,212	59,566	56,625	54,022	48,303	42,954
<b>Primary metals industries:</b>							
1972 SIC basis:							
As published .....	(NA)	126,013	105,943	110,446	117,074	113,085	98,229
As adjusted .....	(NA)	126,013	108,026	112,052	118,117	113,637	98,228
1987 SIC basis:							
As published/estimated .....	151,682	125,989	108,218	112,276	118,354	113,884	98,445
<b>Fabricated metal products:</b>							
1972 SIC basis:							
As published .....	(NA)	150,139	137,908	138,367	139,121	121,510	113,606
As adjusted .....	(NA)	150,139	143,519	142,514	141,884	122,992	113,607
1987 SIC basis:							
As published/estimated .....	157,605	150,290	143,350	142,299	141,650	122,760	113,399
<b>Industrial machinery and equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	222,434	203,112	214,720	210,172	179,416	171,141
As adjusted .....	(NA)	222,434	209,606	219,568	213,271	181,183	171,140
1987 SIC basis:							
As published/estimated .....	248,714	221,171	208,567	218,395	212,109	178,879	169,274
<b>Electronic and other electrical equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	211,438	198,172	200,768	197,979	168,091	157,259
As adjusted .....	(NA)	211,438	203,095	204,428	200,264	169,327	157,263
1987 SIC basis:							
As published/estimated .....	168,062	153,715	147,273	150,870	152,149	130,168	119,050
<b>Transportation equipment:</b>							
1972 SIC basis:							
As published .....	(NA)	348,598	318,291	305,074	291,336	259,668	209,322
As adjusted .....	(NA)	348,598	327,730	311,482	295,203	261,360	209,324
1987 SIC basis:							
As published/estimated .....	389,611	348,598	327,730	311,482	295,203	261,360	209,324



Table E-3. **ANNUAL NEW ORDERS AS ORIGINALLY PUBLISHED AND AS ADJUSTED—Con.**

Industry category	1988	1987	1986	1985	1984	1983	1982
<b>Instruments and related products:</b>							
1972 SIC basis:							
As published .....	(NA)	68,104	62,168	61,460	60,726	54,826	52,389
As adjusted .....	(NA)	68,104	64,436	63,113	61,795	55,385	52,391
1987 SIC basis:							
As published/estimated .....	112,457	109,062	103,067	106,601	96,144	82,835	81,318
<b>Other durable goods:</b>							
1972 SIC basis:							
As published .....	(NA)	32,055	27,412	26,265	27,508	26,464	27,050
As adjusted .....	(NA)	32,055	29,948	28,117	28,744	27,112	27,053
1987 SIC basis:							
As published/estimated .....	34,991	32,202	29,939	28,114	28,720	27,105	27,047
<b>Nondurable goods industries:</b>							
1972 SIC basis:							
As published .....	(NA)	1,180,285	1,061,958	1,092,897	1,094,512	1,038,259	1,007,218
As adjusted .....	(NA)	1,180,285	1,096,485	1,118,047	1,110,540	1,045,929	1,007,222
1987 SIC basis:							
As published/estimated .....	1,266,973	1,182,951	1,098,683	1,120,209	1,112,585	1,047,733	1,008,920
<b>Food and kindred products:</b>							
1972 SIC basis:							
As published .....	(NA)	329,725	308,523	301,562	300,014	287,083	280,528
As adjusted .....	(NA)	329,725	318,203	308,606	304,584	289,314	280,529
1987 SIC basis:							
As published/estimated .....	351,513	329,725	318,203	308,606	304,584	289,314	280,529
<b>Tobacco products:</b>							
1972 SIC basis:							
As published .....	(NA)	20,757	19,073	18,507	17,439	16,252	16,060
As adjusted .....	(NA)	20,757	19,146	18,559	17,473	16,268	16,061
1987 SIC basis:							
As published/estimated .....	23,832	20,757	19,146	18,559	17,473	16,268	16,061
<b>Textile mill products:</b>							
1972 SIC basis:							
As published .....	(NA)	65,247	56,275	53,812	54,761	55,141	46,919
As adjusted .....	(NA)	65,247	58,195	55,209	55,651	55,559	46,924
1987 SIC basis:							
As published/estimated .....	64,001	65,227	58,183	55,209	55,652	55,554	46,926
<b>Apparel and other finished textile products:</b>							
1972 SIC basis:							
As published .....	(NA)	64,243	57,919	56,993	57,577	55,373	53,387
As adjusted .....	(NA)	64,243	61,935	59,928	59,478	56,284	53,388
1987 SIC basis:							
As published/estimated .....	65,031	64,243	61,935	59,928	59,478	56,284	53,388
<b>Paper and allied products:</b>							
1972 SIC basis:							
As published .....	(NA)	109,847	98,733	93,443	95,195	85,324	79,842
As adjusted .....	(NA)	109,847	100,958	95,031	96,200	85,801	79,840
1987 SIC basis:							
As published/estimated .....	123,943	109,681	100,782	94,757	95,931	85,575	79,644
<b>Printing, publishing, and allied industries:</b>							
1972 SIC basis:							
As published .....	(NA)	136,666	118,493	112,050	103,494	92,877	85,796
As adjusted .....	(NA)	136,666	125,578	116,972	106,486	94,267	85,795
1987 SIC basis:							
As published/estimated .....	144,091	136,666	125,578	116,972	106,486	94,267	85,795
<b>Chemicals and allied products:</b>							
1972 SIC basis:							
As published .....	(NA)	220,710	197,090	197,312	198,230	183,209	170,737
As adjusted .....	(NA)	220,710	201,225	200,375	200,180	184,112	170,738
1987 SIC basis:							
As published/estimated .....	259,698	229,546	205,711	204,790	205,963	189,552	176,254



Table E-3. ANNUAL NEW ORDERS AS ORIGINALLY PUBLISHED AND AS ADJUSTED—Con.

Industry category	1988	1987	1986	1985	1984	1983	1982
Petroleum and coal products:							
1972 SIC basis:							
As published .....	(NA)	139,098	124,878	179,135	189,013	192,570	208,922
As adjusted .....	(NA)	139,098	127,092	180,988	190,272	193,228	208,919
1987 SIC basis:							
As published/estimated .....	131,415	130,414	122,605	176,574	184,488	187,788	203,404
Rubber and miscellaneous products:							
1972 SIC basis:							
As published .....	(NA)	83,934	73,385	71,324	69,514	60,331	55,415
As adjusted .....	(NA)	83,934	75,992	73,155	70,624	60,835	55,416
1987 SIC basis:							
As published/estimated .....	94,200	86,634	78,379	75,590	72,938	62,870	57,307
Leather and leather products:							
1972 SIC basis:							
As published .....	(NA)	10,058	7,589	8,759	9,275	10,099	9,612
As adjusted .....	(NA)	10,058	8,161	9,224	9,592	10,261	9,612
1987 SIC basis:							
As published/estimated .....	9,249	10,058	8,161	9,224	9,592	10,261	9,612

(NA) Not available.







## Appendix F. Notes on Trading Day Adjustment Methodology and Weight Patterns

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The shipments data in the M3 survey are adjusted for calendar month variations, both length of month and number of trading days per month. The selection of these adjustment factors is based primarily on recognition of patterns contained in the data using the regression and spectral analysis capabilities in the X-11 seasonal adjustment software.<sup>1</sup>

Factors are considered optimal when the daily weights assigned to the industry eliminate or diminish the peaks in the spectral plots which are based on calendar frequencies, and lower the absolute value of the month-to-month change in the residual irregular component (I) of the data series. Several variations of the calculation and application of these weights provided multiple versions of the irregular component values. The set of weights selected were those which realized the lowest I

value. The data in the following table include the daily weights used for each industry, the value of the irregular component with and without the trading day adjustment and the method used in selecting the weights.

The results of this trading day adjustment research are implemented effective with this publication and will be used in all subsequent monthly survey press releases until further updating is needed. They affect the historical data in the M3 survey back to 1977. These factors replace those used since 1962 which were based on the same set of daily weights for all but three industries, and resulted in very small residual irregular component values. For further discussion of the current research, contact Lee Wentela, 301-763-1748.

New orders data in this publication are implicitly trading day adjusted by the same factors as shipments. The change in unfilled orders is not trading day adjusted but should possibly be the subject of future research.

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<sup>1</sup>The X-11 ARIMA Variant of Census Method II Seasonal Adjustment from Statistics Canada is the program used to calculate trading day weights and to seasonally adjust data in this publication.



Table F-1. TRADING DAY WEIGHT PATTERNS AND DIAGNOSTICS

Series	Daily Weights							Method selected <sup>1</sup>	I Value <sup>2</sup>		F Ratio <sup>3</sup>
	Mon.	Tues.	Wed.	Thu.	Fri.	Sat.	Sun.		With	Without	
<b>Durable goods industries:</b>											
Lumber and wood products:											
Wood containers, pallets, and skids .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	NAW	NA	5.05	0.76
Wood buildings and mobile homes .....	1.205	0.853	1.746	1.097	0.780	0.917	0.402	PRW	2.53	2.96	6.65
Wood products, except containers, buildings, and mobile homes .....	1.108	0.921	1.307	1.596	0.672	0.717	0.679	PRW	2.09	2.84	11.48
Furniture and fixtures:											
Household furniture .....	1.621	1.129	0.989	1.379	0.931	0.513	0.437	PRW	2.26	2.86	15.28
Furniture, except household .....	1.238	1.127	1.278	1.231	1.386	0.419	0.319	PRW	1.88	2.85	23.79
Stone, clay, and glass products:											
Glass containers .....	0.783	1.824	0.857	1.192	1.499	0.266	0.578	PRW	2.40	3.62	14.01
Kitchen articles and pottery .....	1.069	1.492	1.076	0.818	2.094	0.174	0.278	PRW	3.58	4.80	4.71
Other stone, clay, and glass products .....	1.062	1.333	1.210	1.305	1.150	0.360	0.580	PRW	1.23	2.65	36.49
Primary metals industries:											
Blast furnaces and steel mill products .....	0.965	1.359	1.186	1.439	0.991	0.580	0.479	PRW	1.49	2.93	22.99
Iron and steel foundry products .....	1.470	1.319	0.864	1.556	0.539	1.058	0.194	PRW	1.97	2.65	5.67
Nonferrous metal products, primary and secondary .....	0.912	1.380	0.961	1.512	1.036	0.580	0.619	PRW	1.80	2.59	11.10
Fabricated metal products:											
Metal cans and shipping containers .....	0.999	1.014	1.291	1.206	1.426	0.367	0.697	PRW	1.99	2.94	11.07
Cutlery and handtools .....	1.145	1.191	1.268	1.082	1.373	0.592	0.349	PRW	2.40	2.76	9.65
Building materials and wire products .....	0.951	1.457	1.061	1.470	1.061	0.471	0.529	PRW	1.67	3.12	22.16
Ordnance and accessories:											
Nondefense .....	1.470	1.049	1.490	0.492	1.133	1.367	0.000	PRW	3.79	4.44	4.35
Defense .....	1.388	1.243	1.518	0.247	1.877	0.369	0.358	PRW	3.83	4.52	5.29
Other fabricated metal products .....	1.293	1.327	1.114	1.279	0.871	0.798	0.317	PRW	1.52	2.40	20.96
Industrial machinery and equipment:											
Steam engines and turbines .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	NAW	NA	5.90	1.20
Internal combustion engines .....	1.038	0.592	1.579	0.939	1.077	0.682	1.093	PRW	2.22	2.30	3.09
Farm and garden machinery .....	0.894	1.561	0.884	1.453	1.082	1.126	0.000	PRW	4.31	5.13	5.85
Construction, mining, and material handling equipment .....	0.746	1.416	0.908	1.507	0.821	0.815	0.789	PRW	2.44	3.02	7.39
Metalworking machinery .....	1.199	1.322	1.124	1.056	1.277	0.729	0.272	PRW	1.89	3.03	18.62
Special industry machinery .....	1.250	0.227	1.739	1.205	0.712	0.829	1.039	PRW	3.86	4.00	1.55
General industrial machinery .....	0.995	1.363	1.170	1.170	1.156	0.580	0.564	PRW	1.51	2.62	30.67
Computer and office equipment .....	1.183	0.980	1.264	0.997	1.054	0.875	0.648	PRW	2.59	2.72	2.57
Refrigeration, heating and service industry machinery .....	1.210	0.904	1.295	1.291	1.034	0.757	0.510	PRW	2.08	2.25	8.03
Industrial machinery, n.e.c. ....	0.822	1.298	1.183	1.625	1.172	0.321	0.578	PRW	3.09	3.93	12.25
Electronic and other electrical machinery:											
Electrical transmission and distribution equipment .....	1.174	1.287	0.776	1.211	0.866	0.895	0.791	PRW	2.45	2.66	2.55
Electrical industrial apparatus .....	1.101	1.021	1.127	1.253	0.676	1.137	0.686	PRW	2.08	2.17	4.27
Household appliances .....	1.061	1.148	1.224	1.219	0.964	0.391	0.991	PRW	2.30	2.99	5.22
Electric lighting and wiring equipment .....	1.003	1.358	1.072	1.140	1.010	0.782	0.634	PRW	1.58	2.13	14.82
Household audio and video equipment .....	0.996	1.580	0.925	1.192	0.880	0.785	0.642	PRW	3.64	3.83	3.00
Communication equipment:											
Nondefense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	NAW	NA	2.51	3.80
Defense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	NAW	NA	4.90	1.41
Electronic components and accessories .....	0.987	1.101	1.084	1.040	1.244	0.712	0.832	PRW	1.12	1.51	8.23
Other electrical machinery .....	1.123	1.275	1.066	1.009	1.044	0.793	0.691	PRW	1.70	2.41	8.41



Table F-1. TRADING DAY WEIGHT PATTERNS AND DIAGNOSTICS—Con.

Series	Daily Weights							Method selected <sup>1</sup>	I Value <sup>2</sup>		F Ratio <sup>3</sup>
	Mon.	Tues.	Wed.	Thu.	Fri.	Sat.	Sun.		With	Without	
Transportation equipment:											
Motor vehicle parts .....	1.120	1.423	1.505	1.042	0.885	0.758	0.267	PRW	3.03	3.46	8.42
Motor vehicle assembly operations .....	1.388	1.389	1.009	1.847	0.516	0.851	0.000	PRW	3.79	4.76	11.71
Complete aircraft, missiles and space vehicles:											
Nondefense .....	1.378	1.566	1.642	0.920	1.469	0.026	0.000	PRW	6.58	7.88	2.77
Defense .....	1.167	1.167	1.167	1.167	1.167	0.583	0.583	PAW	3.64	3.94	9.95
Aircraft, missiles and space vehicle parts:											
Nondefense .....	1.091	1.393	1.973	0.296	1.248	0.762	0.238	PRW	4.52	4.66	7.13
Defense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	NAW	NA	4.61	2.60
Shipbuilding, tanks and tank components:											
Nondefense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	NAW	NA	7.43	1.96
Defense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	NAW	NA	2.99	2.16
Railroad equipment .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	NAW	NA	8.02	3.70
Other transportation equipment .....	1.013	1.339	0.935	1.255	1.840	0.336	0.281	PRW	4.02	4.32	7.00
Instruments and related products:											
Search and navigation equipment:											
Nondefense .....	0.752	1.190	1.049	1.210	1.231	0.992	0.575	PRW	3.69	3.77	4.50
Defense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	NAW	NA	2.45	3.52
Measuring and controlling devices .....	1.013	1.060	1.167	1.109	1.188	0.707	0.756	PRW	1.89	2.17	9.87
Medical instruments and supplies .....	0.983	1.172	1.005	1.207	1.193	0.588	0.851	PRW	1.73	2.02	13.19
Ophthalmic goods, watches, and clocks .....	1.167	1.167	1.167	1.167	1.167	0.583	0.583	PAW	2.87	3.41	5.74
Photographic goods .....	0.860	1.293	1.232	0.751	1.629	0.316	0.920	PRW	2.02	2.15	8.79
Other durable goods:											
Miscellaneous personal goods .....	1.105	1.373	1.221	0.951	1.281	1.070	0.000	PRW	3.55	4.50	6.14
Other durable goods .....	0.832	1.468	0.673	1.636	1.095	0.438	0.859	PRW	2.90	3.29	6.54
<b>Nondurable goods industries:</b>											
Food and kindred products:											
Meat products .....	1.096	0.852	1.425	1.160	1.016	0.622	0.829	PRW	1.29	1.83	12.91
Dairy products .....	1.143	1.108	1.139	1.257	1.152	0.699	0.502	PRW	0.96	1.82	37.00
Fats and oils .....	1.167	1.167	1.167	1.167	1.167	0.583	0.583	PAW	3.05	2.81	3.07
Beverages .....	0.980	1.229	1.089	1.264	1.244	0.693	0.501	PRW	1.85	2.54	17.68
Food and kindred products, except meat and dairy products, beverages, fats, and oils .....	1.251	1.185	1.043	1.178	1.214	0.517	0.611	PRW	1.22	1.98	24.06
Tobacco products:											
Cigarettes, cigars, chewing and smoking tobacco, and snuff .....	2.333	1.167	1.167	1.167	1.167	0.000	0.000	PAW	3.02	4.27	9.25
Textile mill products:											
Broadwoven fabrics and other textiles, except those from knitting and floor covering mills .....	1.198	1.217	1.279	1.029	1.234	0.534	0.508	PRW	1.42	2.48	20.89
Knitting mill products .....	0.923	1.272	1.128	1.352	0.949	0.594	0.782	PRW	2.34	2.77	7.84
Carpets and rugs .....	1.243	0.910	1.351	1.527	0.994	0.680	0.295	PRW	2.21	3.45	11.32
Apparel and other finished textile products .....	1.167	1.167	1.167	1.167	1.167	0.583	0.583	PAW	1.84	2.02	7.23
Paper and allied products:											
Pulp, paper, and paperboard mill products .....	1.137	1.188	1.124	1.095	1.186	0.717	0.553	PRW	1.32	1.98	20.05
Paperboard containers and boxes .....	1.091	1.272	1.439	1.076	1.211	0.300	0.612	PRW	1.07	2.85	45.29
Miscellaneous converted paper products .....	0.939	1.367	0.867	1.299	1.169	0.563	0.797	PRW	1.72	2.19	14.30



Table F-1. TRADING DAY WEIGHT PATTERNS AND DIAGNOSTICS—Con.

Series	Daily Weights							Method selected <sup>1</sup>	I Value <sup>2</sup>		F Ratio <sup>3</sup>
	Mon.	Tues.	Wed.	Thu.	Fri.	Sat.	Sun.		With	Without	
Printing, publishing, and allied industries:											
Newspapers, periodicals, and books.	1.223	1.065	0.945	1.141	0.901	0.775	0.949	PRW	1.43	1.79	7.39
Other publishing and printing . . . . .	1.251	0.975	1.507	1.155	0.953	0.577	0.574	PRW	1.28	2.45	36.62
Chemicals and allied products:											
Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals . . . . .	1.092	1.161	1.186	1.136	0.996	0.655	0.774	PRW	0.99	1.92	28.44
Paints and related products . . . . .	1.255	0.868	1.243	1.257	1.008	0.735	0.634	PRW	1.95	2.29	7.24
Drugs, soaps, and toiletries . . . . .	1.374	1.338	1.146	1.116	1.157	0.696	0.173	PRW	1.45	2.49	23.95
Agricultural chemicals . . . . .	1.250	1.072	0.995	1.617	0.870	0.541	0.653	PRW	5.10	5.16	2.36
Petroleum and coal products											
Asphalt paving and roofing materials . . . . .	1.680	0.309	1.180	2.019	0.625	0.584	0.603	PRW	4.28	4.21	5.21
Petroleum refining, except paving and roofing materials . . . . .	1.305	1.802	0.861	1.034	1.192	0.913	0.612	PRW	1.31	1.42	2.40
Rubber and miscellaneous plastics products:											
Tires and tubes . . . . .	1.018	1.576	0.806	1.636	1.058	0.614	0.292	PRW	1.97	3.43	20.08
Rubber and plastics footwear, hose, belting, gaskets, and other rubber products . . . . .	0.906	1.226	1.063	1.244	0.983	0.823	0.754	PRW	1.82	2.15	9.44
Miscellaneous plastics products n.e.c. . . . .	0.913	1.275	0.928	1.505	0.985	0.770	0.625	PRW	1.99	2.51	9.41
Leather and leather products:											
Leather tanning and finishing, and footwear cut stock . . . . .	0.436	1.854	1.529	0.502	1.486	0.321	0.871	PRW	4.15	5.24	7.50
Other leather products . . . . .	0.781	1.693	1.061	0.988	1.385	0.405	0.686	PRW	3.04	3.77	5.72

(NA) Not applicable.

<sup>1</sup>PRW - Daily weights are calculated using the regression routine on X-11 and applied as prior weights in the calculation of trading day and seasonal adjustment factors. NAW - No trading day adjustment factors are used because no trading day pattern could be sufficiently identified. PAW - Historical daily weight pattern is retained which provides equal weight for Monday through Friday and half weights for Saturday and Sunday.

<sup>2</sup>I value is the average absolute month-to-month percent change between all pairs of adjacent months for the irregular component of the data series as determined in the X-11 seasonal adjustment run.

<sup>3</sup>The F value measures the presence of stable trading day patterns, and is the quotient of the between months' variance attributable to the trading day component and the residual variance attributable to the irregular component. Values greater than 9 indicate there is a significant trading day pattern present.



## Appendix G. Summary Measures for Evaluating the Quality of the Seasonal Adjustment of M3 Series

The measures shown in the following table were used in evaluating the current seasonal adjustment procedure. Brief descriptions of the measures follow.

The average absolute percentage change without regard to sign is the average of the absolute percentage changes between all pairs of adjacent months; it is one measure of variability.

"O" is the average month-to-month percentage change, without regard to sign, in the original series. "CI" is the same for the seasonally adjusted series. "I" is the same for the irregular component, which is obtained by dividing the cyclical component into the seasonally adjusted series. "C" is the same for the cyclical component which is a smooth, flexible moving average of the seasonally adjusted series.

"IC" is the average relative month-to-month change, without regard to sign, of the irregular component divided by the average relative month-to-month change, without regard to sign, of the cyclical component. It serves as an indication of the series' relative irregularity.

The measures of relative contributions of the component series to the variation in the original series can be interpreted as measures of the absolute importance of each component. The percentages shown are actually the percentages of the total variance obtained by adding up the variances of the individual components and may differ from those using the variance computed directly from the original series. I is the irregular component, C is the trend component and S the seasonal component. A value of I greater than 30 usually indicates that the erratic movements in the series will significantly diminish the ability of X-11 to identify the seasonal movements in the data. Values of S less than 50 suggest that the seasonal movements are difficult to quantify.

The F value presented here measures the presence of stable seasonality. It is the quotient of two variances: (1) the between months variance which is mainly due to the seasonal, and (2) the residual variance which is mainly due to irregular. A value of 7.0 or greater is used as an indicator of the presence of stable seasonality.

The Q value is a weighted average of 11 different quality control statistics concerned variously with the irregular movements of the series and with seasonal patterns changing too rapidly to be identifiable, particularly in recent years. A value greater than 1.2 is unacceptable, whereas values less than 0.8 often indicate an acceptable adjustment. With values between 0.8 and 1.2, other measures must be consulted to determine if the seasonal movement in the series can be adequately quantified by the X-11 program.

The  $SF_R$  and  $MM_R$  are diagnostics from the sliding spans tests. The  $SF_R$  measures the amount of revision in a seasonal factor for a specific observation which occurs as the specific years included in the seasonal adjustment analysis change. For example, for most series in this publication a 10-year series is examined as three 8-year spans: 1978-1985, 1979-1986, and 1980-1987. For the  $SF_R$  it is considered acceptable if no more than 25 percent of the seasonal factors are revised by more than 3 percent for Q values  $\leq .80$ ; for Q values between .80 and 1.2, the  $SF_R$  should be no more than 15 percent.

The  $MM_R$  is a measure of the revision in the month-to-month percent change for specific observations, as the years included in the span are changed. It is considered acceptable if no more than 40 percent of the observations are revised by more than 3 percent.

The ratio of maximum to minimum seasonal factor gives the ratio of the largest upward adjustment to the largest downward adjustment, and therefore measures the extent of the seasonal movements estimated by the program. An NS in the last column indicates a series is not seasonally adjusted in this publication. The information in the other columns for these series are the measures produced in X-11 ARIMA and sliding spans runs to determine the presence of quantifiable seasonality. For series which are not seasonally adjusted in this publication, the original unadjusted values are included in both the seasonally adjusted and unadjusted totals.



Table G-1. Shipments (Seasonal Factors)

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	Q Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Lumber and wood products:														
Wooden containers, pallets, and skids	11.00	8.69	8.07	2.15	2.27	61.69	4.37	33.94	8.83	1.04	41.7	43.2	1.32	(NS)
Wood buildings and mobile homes	9.75	4.62	4.20	1.37	1.88	18.71	1.98	79.31	72.28	0.39	10.4	15.8	1.38	(S)
All other wood products	7.25	3.97	3.76	1.07	2.42	32.27	2.61	65.12	40.11	0.57	3.1	10.5	1.28	(S)
Furniture and fixtures:														
Household furniture	10.29	4.04	3.97	0.56	3.53	17.19	0.34	82.46	68.58	0.60	-	5.3	1.34	(S)
All other furniture	6.87	4.16	3.89	0.97	2.77	34.89	2.18	62.93	15.18	0.84	1.0	5.3	1.17	(S)
Stone, clay, and glass products:														
Glass containers	7.46	4.42	4.34	0.60	4.18	34.16	0.64	65.19	37.12	0.86	3.1	7.4	1.26	(S)
Kitchen articles and pottery	14.84	6.40	5.93	1.55	2.59	18.59	1.27	80.14	20.96	0.82	19.8	30.5	1.27	(S)
Other stone, clay, and glass products	7.18	3.74	3.60	0.83	2.97	27.63	1.47	70.91	80.18	0.50	-	1.1	1.25	(S)
Primary metal industries:														
Blast furnaces, steel mills	7.01	4.71	4.21	1.72	1.45	40.95	6.82	52.23	23.78	0.64	1.0	7.4	1.19	(S)
Iron and steel foundries	9.30	4.01	3.58	1.40	1.74	18.11	2.76	79.13	54.14	0.44	15.6	26.3	1.28	(S)
Nonferrous and other primary metal products	6.49	4.02	3.76	1.20	1.95	31.50	3.22	65.28	25.24	0.64	1.0	2.1	1.16	(S)
Fabricated metal products:														
Metal cans, and shipping containers	7.64	3.95	3.80	0.78	3.27	23.43	0.99	75.58	90.46	0.49	3.1	9.5	1.49	(S)
Cutlery and handtools	10.99	4.50	4.42	0.65	3.67	17.04	0.36	82.60	33.15	0.78	1.0	4.2	1.27	(S)
Building materials and wire products	7.49	3.93	3.73	0.85	3.26	24.59	1.28	74.13	42.43	0.70	5.2	8.4	1.26	(S)
Ordnance and accessories:														
Nondefense	11.85	6.72	6.05	2.08	2.35	34.23	4.04	61.73	26.76	0.58	20.8	22.1	1.37	(S)
Defense	9.54	6.21	5.67	1.90	2.19	45.08	5.06	49.86	8.96	1.07	8.3	13.7	1.19	(S)
Other fabricated metal products	8.44	3.82	3.50	1.14	1.86	18.33	1.96	79.72	59.03	0.46	2.1	1.1	1.28	(S)
Industrial machinery and equipment:														
Steam engines and turbines	37.31	15.76	15.09	2.81	2.36	19.70	.68	79.62	15.07	1.09	65.6	80.0	4.70	(S)
Internal combustion engines	9.61	4.57	4.22	1.15	1.65	23.35	1.75	74.90	51.30	0.50	3.5	22.1	1.25	(S)
Farm and garden machinery	13.91	6.69	6.37	1.56	2.49	24.02	1.44	74.53	55.17	0.52	9.4	24.2	1.74	(S)
Construction, mining, and material handling equipment	6.87	4.54	4.27	1.30	2.09	42.26	3.89	53.85	12.99	0.91	5.2	10.5	1.23	(S)
Metalworking machinery	7.78	2.98	2.74	1.10	1.56	13.64	2.18	84.18	43.11	0.44	.4	21.1	1.30	(S)
Special industry machinery	12.36	6.10	5.78	1.35	4.12	21.93	1.19	76.87	16.97	1.09	8.3	22.1	1.25	(S)
General industrial machinery	5.90	2.50	2.25	1.22	1.35	16.45	4.80	78.75	38.98	0.40	1.0	6.3	1.19	(S)
Computer and office equipment	25.62	4.28	4.02	1.11	2.33	2.54	0.20	97.26	107.64	0.48	18.8	34.7	1.90	(S)
Refrigeration, heating, and service industry machinery	8.07	3.50	3.17	1.02	2.07	17.54	1.80	80.65	57.90	0.42	3.1	3.2	1.45	(S)
Industrial machinery, n.e.c.	10.01	5.43	5.25	1.34	2.38	32.08	2.08	65.85	38.52	0.66	3.1	8.4	1.34	(S)
Electronic and other electrical equipment:														
Electrical transmission and distribution equipment	10.79	3.77	3.68	0.73	3.09	11.44	0.45	88.11	46.65	0.76	2.1	8.4	1.30	(S)
Electrical industrial apparatus	8.64	3.28	3.03	0.91	2.01	14.96	1.35	83.70	36.06	0.51	5.2	10.5	1.27	(S)
Household appliances	7.56	3.72	3.47	1.00	2.51	20.22	1.66	78.12	46.66	0.65	7.3	9.5	1.29	(S)
Electric lighting and wiring equipment	7.78	2.77	2.49	0.94	1.47	10.70	1.51	87.79	58.30	0.40	(NA)	(NA)	1.19	(S)
Household audio and video equipment	14.16	5.91	5.53	1.58	2.28	14.94	1.23	83.83	51.81	0.57	8.3	12.6	1.55	(S)
Communication equipment:														
Nondefense	11.45	3.52	3.30	0.96	2.15	8.19	0.70	91.11	46.98	0.58	(NA)	(NA)	1.42	(S)
Defense	15.08	7.61	7.39	1.68	2.53	27.00	1.40	71.60	16.09	1.04	(NA)	(NA)	1.83	(S)
Electronic components	5.78	2.48	2.12	1.17	1.13	14.21	4.38	81.48	66.75	0.38	-	-	1.13	(S)
Miscellaneous electrical equipment and supplies	7.55	3.11	2.79	1.08	1.29	12.60	1.87	85.52	55.79	0.40	2.1	1.1	1.32	(S)
Transportation equipment:														
Motor vehicle parts	11.58	5.53	4.86	1.61	2.12	18.35	2.01	79.65	38.75	0.51	14.6	17.9	1.59	(S)
Motor vehicle assembly operations	14.82	7.85	7.24	2.04	1.92	28.92	2.29	68.78	41.14	0.50	11.5	21.1	1.63	(S)



Table G-1. Shipments (Seasonal Factors)—Con.

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	Q Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries—Con.														
Transportation equipment—Con.														
Complete aircraft, missile and space vehicles:														
Nondefense	22.85	13.93	13.03	2.92	2.60	33.25	1.67	65.08	21.61	0.89	54.2	68.4	1.81	(S)
Defense	9.69	4.61	4.48	1.08	2.92	22.98	1.32	75.70	25.35	0.94	4.2	13.7	1.35	(S)
Aircraft, missile and space vehicle parts:														
Nondefense	11.46	5.99	5.72	1.49	2.80	23.94	1.62	74.44	21.60	0.85	13.5	26.3	1.40	(S)
Defense	16.96	7.72	7.37	1.52	2.45	22.31	0.95	76.74	16.77	0.90	14.6	24.2	2.13	(S)
Shipbuilding and tanks:														
Nondefense	20.57	12.09	11.81	3.00	2.07	34.55	2.22	63.23	21.47	0.83	35.4	48.4	2.08	(S)
Defense	10.54	7.38	7.04	1.60	1.89	54.52	2.82	42.66	8.78	0.92	16.7	43.2	1.41	(S)
Railroad equipment	13.86	10.13	9.30	2.83	1.66	49.30	4.56	46.14	7.89	1.12	28.1	49.5	1.25	(NS)
Other transportation equipment	12.27	6.78	6.46	1.74	2.54	28.11	2.04	69.86	35.21	0.62	15.6	24.2	1.48	(S)
Instruments and related products:														
Search and navigation equipment:														
Nondefense	15.08	5.79	5.50	1.08	2.71	14.66	0.57	84.77	17.97	0.90	(NA)	(NA)	1.60	(S)
Defense	11.08	3.44	3.13	1.23	1.63	8.78	1.36	89.86	44.51	0.49	(NA)	(NA)	1.53	(S)
Measuring and controlling devices	7.90	2.60	2.34	0.82	1.90	8.50	1.04	90.45	66.68	0.61	(NA)	(NA)	1.16	(S)
Medical instruments and supplies	7.77	2.36	2.09	1.01	1.47	7.22	1.70	91.08	72.08	0.45	(NA)	(NA)	1.14	(S)
Ophthalmic goods, watches, and clocks	9.22	4.85	4.47	1.30	2.27	22.89	1.93	75.18	35.51	0.53	10.4	14.7	1.29	(S)
Photographic goods	8.99	3.69	3.52	0.90	2.43	15.17	0.98	83.85	49.79	0.55	2.1	16.8	1.33	(S)
Other durable goods:														
Miscellaneous personal goods	15.51	5.22	5.14	0.75	4.16	10.90	0.23	88.87	69.47	0.60	19.8	31.6	1.62	(S)
Other durable goods	10.74	4.83	4.66	0.91	3.20	18.96	0.73	80.31	46.45	0.62	1.00	5.3	1.31	(S)
Nondurable goods industries:														
Food and kindred products:														
Meat products	4.02	2.73	2.36	0.76	2.01	40.11	4.12	55.77	13.27	0.81	-	1.1	1.12	(S)
Dairy products	3.79	2.68	2.61	0.55	3.02	47.46	2.11	50.43	17.08	1.07	-	-	1.12	(S)
Fats and oils	4.63	3.94	3.33	1.56	1.35	55.29	12.18	32.53	5.30	1.15	1.0	6.3	1.09	(NS)
Beverages	6.12	3.19	3.09	0.52	3.81	25.04	0.70	74.26	113.89	0.50	-	1.1	1.31	(S)
All other foods	8.09	2.78	2.69	0.58	2.92	10.37	0.49	89.14	89.54	0.48	-	-	1.23	(S)
Tobacco products	25.75	8.33	8.00	1.67	2.49	9.64	0.42	89.94	38.55	0.68	(NA)	(NA)	2.03	(S)
Textile mill products:														
Broadwoven fabrics and other textiles	10.27	3.25	3.11	0.86	2.45	9.29	0.70	90.00	86.60	0.42	1.0	3.2	1.33	(S)
Knitting mills	10.07	3.90	3.78	0.91	2.61	14.07	0.82	85.11	62.44	0.51	2.1	3.2	1.36	(S)
Carpets and rugs	10.53	4.42	4.18	1.24	2.44	16.82	1.48	81.70	54.56	0.52	5.2	7.4	1.34	(S)
Apparel and other finished textile products	10.24	3.13	3.02	0.66	2.84	9.12	0.44	90.44	157.67	0.39	1.0	2.1	1.46	(S)
Paper and allied products:														
Pulp, paper and paperboard mills	4.59	2.75	2.66	0.91	1.92	36.55	4.32	59.13	19.47	0.72	-	-	1.08	(S)
Paperboard containers and boxes	6.01	3.50	3.39	0.60	3.59	34.72	1.08	64.20	29.70	0.87	-	1.1	1.17	(S)
Miscellaneous converted paper products	5.06	2.41	2.29	0.69	2.01	22.53	2.03	75.44	24.62	0.65	1.0	3.2	1.12	(S)
Printing, publishing and allied industries:														
Newspaper, books, and periodicals	5.01	2.30	2.11	0.77	1.69	22.96	3.09	73.95	42.08	0.45	2.1	6.3	1.20	(S)
Other publishing and printing	5.40	3.37	3.21	0.86	2.45	36.09	2.56	61.34	45.88	0.61	-	-	1.18	(S)
Chemicals and allied products:														
Industrial chemicals	4.37	1.88	1.47	1.09	0.82	10.50	5.77	83.73	69.49	0.27	-	1.1	1.11	(S)
Paints and related products	7.20	3.17	3.03	0.84	2.36	20.63	1.58	77.78	81.93	0.43	-	-	1.32	(S)
Drugs, soaps, and toiletries	9.45	3.53	3.43	0.78	2.81	13.34	0.70	85.96	54.20	0.60	2.1	2.1	1.25	(S)
Agricultural chemicals	18.34	7.24	6.73	1.89	2.40	15.35	1.21	83.44	105.13	0.42	27.1	28.4	2.24	(S)



Table G-1. Shipments (Seasonal Factors)—Con.

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	O Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Nondurable goods industries—Con.														
Petroleum and coal products:														
Asphalt paving and roofing materials . . . . .	16.95	7.90	7.23	2.05	3.01	19.69	1.58	78.73	169.65	0.41	35.4	34.7	2.42	(S)
Petroleum refining products . . . . .	3.38	2.84	2.06	1.99	0.93	36.97	34.44	28.59	9.98	0.62	8.3	5.1	1.07	(S)
Rubber and miscellaneous plastics products:														
Tires and tubes . . . . .	7.45	4.39	4.28	0.62	3.52	34.33	0.72	64.95	41.14	0.83	2.1	6.3	1.23	(S)
Rubber and plastics footwear, hose, belting, gaskets and other rubber products. . . . .	6.90	2.78	2.43	0.99	1.64	14.09	2.34	83.57	46.82	0.46	(NA)	(NA)	1.21	(S)
Miscellaneous plastics products, n.e.c . . . . .	6.84	3.18	2.66	1.47	1.12	17.74	5.39	76.87	21.38	0.66	1.0	2.1	1.34	(S)
Leather and leather products:														
Leather tanning and finishing and footwear cut stock. . . . .	11.83	6.85	6.59	1.47	2.84	38.28	1.91	59.80	25.56	0.85	13.5	34.7	1.39	(S)
Other leather products . . . . .	11.97	5.31	5.10	1.13	2.70	16.49	0.81	82.70	47.13	0.52	8.3	24.2	1.53	(S)

- Represents zero. (NA) Not available. N.e.c. Not elsewhere classified. (NS) Not seasonally adjusted. (S) Seasonally adjusted.



Table G-2. Unfilled Orders (Seasonal Factors)

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	Q Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Furniture and fixtures:														
Household furniture .....	3.78	2.47	1.68	1.39	0.89	21.73	14.94	63.32	23.33	0.46	-	-	1.10	(S)
All other furniture .....	2.87	2.25	1.62	1.36	0.89	37.29	26.15	36.55	24.61	0.56	2.1	3.2	1.10	(S)
Stone, clay, and glass products:														
Kitchen articles and pottery .....	9.23	6.86	5.52	3.39	1.37	42.97	16.21	40.81	12.47	0.73	33.3	42.1	1.18	(S)
Other stone, clay, and glass products .....	2.35	1.85	1.34	1.09	0.90	35.70	23.50	40.81	27.69	0.55	-	1.1	1.06	(S)
Primary metal industries:														
Blast furnaces, steel mills .....	4.14	2.87	1.62	2.10	0.58	17.79	30.09	52.12	85.94	0.25	1.0	1.1	1.22	(S)
Iron and steel foundries .....	2.54	2.28	1.26	1.90	0.53	23.89	54.16	21.94	13.91	0.51	2.1	2.1	1.07	(S)
Nonferrous and other primary metal products .....	2.92	2.20	1.54	2.04	0.82	26.51	26.78	46.71	65.54	0.34	1.0	-	1.12	(S)
Fabricated metal products:														
Cutlery and handtools .....	6.52	4.83	3.94	2.31	1.26	45.30	15.56	39.14	5.61	0.90	15.6	17.9	1.22	(S)
Building materials and wire products .....	1.44	1.18	0.90	0.66	0.85	45.99	24.41	29.60	15.58	0.63	-	-	1.06	(S)
Ordnance and accessories:														
Nondefense .....	7.09	5.89	4.59	2.97	0.94	54.48	22.88	22.64	14.90	0.65	7.3	9.5	1.28	(S)
Defense .....	3.73	3.28	2.42	2.46	0.89	38.99	40.42	20.59	2.58	1.08	-	1.1	1.06	(NS)
Other fabricated metal products .....	1.39	1.16	0.65	0.90	0.49	24.30	46.74	28.97	11.87	0.60	-	-	1.03	(S)
Industrial machinery and equipment:														
Steam engines and turbines .....	1.62	1.45	0.76	1.25	0.46	23.28	62.70	14.02	3.11	1.04	-	-	1.03	(NS)
Internal combustion engines .....	4.36	3.12	2.62	1.39	1.22	38.01	10.68	51.30	40.18	0.58	1.0	1.1	1.25	(S)
Construction, mining, and material handling equipment .....	2.06	1.95	1.03	1.54	0.44	26.06	57.93	16.01	22.45	0.43	-	-	1.05	(S)
Metalworking machinery .....	2.08	2.00	0.72	1.81	0.27	12.32	78.88	8.80	5.94	0.68	(NA)	(NA)	1.04	(NS)
Special industrial machinery .....	2.16	1.94	1.37	1.36	0.77	43.21	42.47	14.31	6.21	0.70	-	-	1.03	(S)
General industrial machinery .....	1.63	1.56	0.88	1.18	0.48	32.56	58.62	8.82	3.38	0.63	(NA)	(NA)	1.02	(NS)
Computer and office equipment .....	2.49	2.04	1.61	0.98	1.06	51.52	19.08	29.41	8.34	0.96	-	2.1	1.05	(S)
Refrigeration, heating and service industry machinery .....	3.60	2.38	1.60	1.48	0.80	24.89	21.25	53.86	48.70	0.33	2.1	-	1.18	(S)
Industrial machinery, n.e.c. ....	2.69	2.40	1.59	1.70	0.61	34.82	39.94	25.24	8.11	0.53	-	2.1	1.06	(S)
Electronic and other electrical equipment:														
Electrical transmission and distribution equipment .....	1.94	1.63	1.30	0.98	0.97	42.14	24.23	33.63	24.33	0.49	-	-	1.07	(S)
Electrical industrial apparatus .....	1.33	1.18	0.82	0.77	0.78	38.25	33.92	27.83	5.49	0.97	-	-	1.04	(NS)
Household appliances .....	7.75	4.89	4.28	2.46	1.17	35.66	11.78	52.56	17.72	0.73	20.8	25.3	1.39	(S)
Electric lighting and wiring equipment .....	2.77	2.58	1.88	1.60	0.62	50.94	36.79	12.27	2.28	1.05	(NA)	(NA)	1.05	(NS)
Household audio and video equipment .....	22.51	13.92	11.99	4.98	2.20	35.23	6.07	58.69	22.65	0.68	53.1	74.7	1.76	(S)
Communication equipment:														
Nondefense .....	1.54	1.47	1.29	0.71	1.00	57.91	17.68	24.41	1.79	1.78	(NA)	(NA)	1.06	(NS)
Defense .....	1.80	1.69	0.93	1.44	0.44	24.54	59.78	15.68	10.70	0.61	(NA)	(NA)	1.01	(S)
Electronic components and accessories .....	2.06	1.80	0.89	1.51	0.32	19.30	56.20	24.50	53.59	0.25	-	-	1.06	(S)
Miscellaneous electrical equipment and supplies .....	2.41	2.23	1.46	1.50	0.66	41.45	43.71	14.84	14.17	0.56	(NA)	(NA)	1.04	(S)
Transportation equipment:														
Motor vehicle parts .....	2.79	2.40	1.45	1.71	0.61	27.80	38.93	33.27	25.44	0.40	1.0	1.1	1.07	(S)
Complete aircraft, missile and space vehicles:														
Nondefense .....	2.68	2.54	1.66	2.02	0.50	35.24	52.03	12.73	3.12	0.80	-	-	1.04	(NS)
Defense .....	2.28	1.73	1.21	1.18	0.67	30.61	29.36	40.04	26.21	0.50	-	-	1.08	(S)
Aircraft, missile and space vehicle parts:														
Nondefense .....	2.53	2.45	1.21	2.06	0.41	23.26	67.37	9.37	1.87	1.07	-	60.0	1.03	(NS)
Defense .....	2.22	2.01	1.55	1.40	0.86	43.84	36.09	20.07	5.78	0.74	-	-	1.08	(S)
Shipbuilding and tanks:														
Nondefense .....	5.53	5.17	3.53	3.54	0.63	41.68	41.86	16.46	4.35	1.01	1.0	2.1	1.25	(S)
Defense .....	2.90	2.45	2.03	1.60	0.86	49.08	30.45	20.47	3.96	1.18	1.0	-	1.04	(NS)
Railroad equipment .....	5.87	5.42	3.14	4.30	0.52	29.50	55.35	15.16	7.30	0.85	17.7	7.4	1.20	(NS)



Table G-2. **Unfilled Orders (Seasonal Factors)—Con.**

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	Q Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries—Con.														
Instruments and related products:														
Search and navigation equipment:														
Nondefense .....	1.77	1.65	1.23	1.05	0.73	44.82	32.72	22.47	3.93	1.19	(NA)	(NA)	1.08	(NS)
Defense .....	1.76	1.69	0.85	1.43	0.44	21.07	60.16	18.77	18.13	0.53	(NA)	(NA)	1.04	(S)
Measuring and controlling devices .....	1.53	1.48	0.89	1.15	0.62	33.88	56.56	9.56	3.19	0.83	(NA)	(NA)	1.02	(NS)
Medical instruments and supplies .....	1.62	1.54	0.92	1.25	0.49	31.59	58.86	9.55	1.44	1.09	(NA)	(NA)	1.03	(NS)
Ophthalmic goods, watches, and clocks .....	8.19	6.30	5.50	2.50	1.38	47.81	9.86	42.34	33.25	0.62	5.2	13.7	1.25	(S)
Photographic goods .....	4.79	3.65	2.93	1.82	1.19	45.03	17.45	37.52	9.77	0.71	2.1	1.1	1.14	(S)
Other durable goods:														
Miscellaneous personal goods ..	15.56	6.17	4.71	3.20	1.15	8.43	3.90	87.66	159.65	0.28	42.7	34.7	2.49	(S)
Other durable goods .....	6.01	3.69	3.00	1.86	0.85	25.61	9.87	64.52	29.17	0.47	-	1.1	1.36	(S)
Nondurable goods industries:														
Textile mill products:														
Broadwoven fabrics and other textiles .....	2.46	2.23	1.39	1.56	0.60	33.90	42.95	23.15	7.71	0.63	-	-	1.06	(S)
Carpets and rugs .....	8.13	5.89	4.42	3.10	1.22	35.50	17.45	47.05	15.04	0.60	27.1	40.0	1.27	(S)
Paper and allied products:														
Pulp, paper and paperboard mill products .....	4.53	3.56	2.83	1.89	1.02	41.89	18.71	39.40	22.56	0.52	-	5.3	1.15	(S)
Paperboard containers and boxes .....	3.90	2.71	1.99	1.67	0.74	26.10	18.36	55.54	70.98	0.31	2.1	1.1	1.18	(S)
Miscellaneous converted paper products .....	4.31	3.47	3.27	0.93	2.26	63.63	5.12	31.25	6.07	1.14	-	4.2	1.05	(S)
Printing and publishing:														
Newspaper, books, and periodicals .....	5.80	3.90	3.43	1.59	1.21	36.54	7.86	55.60	14.40	0.78	3.1	2.1	1.17	(S)
Other publishing and printing ..	3.12	2.26	1.90	1.13	1.03	40.83	14.37	44.80	5.91	1.10	-	1.1	1.11	(S)
Leather and leather products:														
Leather tanning and finishing and cut stock .....	8.61	7.13	6.46	2.15	1.98	62.38	6.92	30.70	12.92	1.14	14.6	28.4	1.25	(S)
Other leather products .....	6.92	4.84	3.93	2.31	1.04	34.21	11.75	54.04	22.95	0.74	13.5	17.9	1.37	(S)

- Represents zero. (NA) Not available. N.e.c. Not elsewhere classified. (NS) Not seasonally adjusted. (S) Seasonally adjusted.



Table G-3. Total Inventories (Seasonal Factors)

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	Q Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Lumber and wood products:														
Wooden containers, pallets and skids .....	4.62	4.27	3.36	2.26	0.94	53.67	24.21	22.12	2.23	1.01	6.3	6.3	1.11	(NS)
Wood buildings and mobile homes .....	4.84	2.73	2.39	1.13	1.58	25.70	5.79	68.51	9.98	0.82	2.1	3.2	1.13	(S)
All other wood products .....	1.62	1.32	1.06	0.68	1.18	41.70	17.02	41.28	23.85	0.78	-	-	1.06	(S)
Furniture and fixtures:														
Household furniture .....	1.32	0.96	0.71	0.57	0.88	31.65	20.21	48.15	34.74	0.45	-	-	1.06	(S)
All other furniture .....	1.59	1.41	1.02	0.89	0.72	42.67	32.18	25.14	10.65	0.58	-	-	1.04	(S)
Stone, clay, and glass products:														
Glass containers .....	2.28	1.57	1.26	0.94	0.90	34.33	19.41	46.26	21.18	0.48	-	-	1.08	(S)
Kitchen articles and pottery .....	3.09	2.62	2.20	1.09	1.11	52.10	12.82	35.08	20.17	0.62	3.1	3.2	1.10	(S)
Other stone, clay, and glass products .....	1.54	0.93	0.71	0.52	0.89	21.09	11.59	67.31	89.60	0.29	-	-	1.06	(S)
Primary metal industries:														
Blast furnaces, steel mills .....	1.54	1.28	0.59	1.11	0.39	15.69	54.83	29.48	14.80	0.63	(NA)	(NA)	1.03	(S)
Iron and steel foundries .....	2.12	1.40	1.14	0.67	1.11	31.66	10.88	57.45	72.24	0.45	-	-	1.10	(S)
Nonferrous and other primary metal products .....	1.35	1.14	0.67	0.85	0.55	27.50	44.26	28.24	22.53	0.40	-	-	1.03	(S)
Fabricated metal products:														
Metal cans, and shipping containers .....	5.22	2.93	2.53	1.11	1.47	23.79	4.59	71.62	54.62	0.51	9.4	13.7	1.24	(S)
Cutlery, and handtools .....	2.29	1.73	1.52	0.75	1.33	43.47	10.49	46.04	21.67	0.61	-	-	1.09	(S)
Building materials and wire products .....	1.33	1.07	0.89	0.57	1.01	41.46	17.05	41.49	17.68	0.62	-	-	1.05	(S)
Ordnance and accessories:														
Nondefense .....	4.17	2.85	2.31	1.29	1.13	33.04	10.34	56.62	19.86	0.59	8.3	10.5	1.13	(S)
Defense .....	2.61	2.33	1.62	1.44	0.72	40.31	31.84	27.85	9.68	0.56	-	-	1.05	(S)
Other fabricated metal products .....	1.53	1.33	0.70	0.96	0.47	25.12	47.39	27.48	8.96	0.76	-	-	1.03	(NS)
Industrial machinery and equipment:														
Steam engines and turbines .....	4.44	2.63	2.25	1.60	0.99	31.82	15.97	52.21	13.42	0.66	8.3	10.5	1.27	(S)
Internal combustion engines .....	1.85	1.57	1.04	1.13	0.60	30.47	35.62	33.90	15.96	0.53	-	-	1.05	(S)
Farm and garden machinery .....	2.64	1.93	1.53	1.15	0.89	31.27	17.43	51.30	33.60	0.45	-	-	1.11	(S)
Construction, mining, and material handling equipment .....	1.42	1.30	0.77	1.12	0.47	25.46	53.13	21.41	14.47	0.38	-	-	1.03	(S)
Metalworking machinery .....	1.24	1.03	0.61	0.78	0.53	26.01	42.14	31.86	16.14	0.49	-	-	1.04	(S)
Special industry machinery .....	1.65	1.24	0.95	0.76	0.91	36.67	23.40	39.93	17.59	0.51	-	-	1.04	(S)
General industrial machinery .....	1.24	1.14	0.79	0.88	0.51	36.93	45.70	17.37	7.24	0.56	-	-	1.04	(S)
Computer and office equipment .....	1.84	1.43	0.68	1.17	0.35	16.43	48.82	34.75	23.68	0.33	-	-	1.04	(S)
Refrigeration, heating, and service industry machinery .....	2.26	1.42	1.02	0.94	0.77	22.02	18.73	59.25	62.18	0.33	-	-	1.08	(S)
Industrial machinery, n.e.c. ....	1.98	1.81	1.35	0.98	1.01	51.15	27.02	21.83	12.22	0.68	-	-	1.05	(S)
Electronic and other electrical equipment:														
Electrical transmission and distribution equipment .....	1.89	1.47	1.14	0.98	0.83	36.17	26.73	37.11	20.19	0.53	-	-	1.06	(S)
Electrical industrial apparatus .....	1.31	1.13	0.84	0.79	0.65	41.09	36.22	22.70	10.05	0.65	-	-	1.03	(S)
Household appliances .....	3.05	1.18	1.48	1.01	0.92	21.54	10.07	68.39	103.23	0.32	-	-	1.14	(S)
Electric lighting and wiring equipment .....	1.66	0.96	0.69	0.71	0.75	17.79	18.82	63.39	48.42	0.36	-	-	1.08	(S)
Household audio and video equipment .....	3.15	2.24	1.57	1.37	0.80	27.53	21.13	51.34	47.22	0.38	1.0	1.1	1.14	(S)
Communication equipment:														
Nondefense .....	1.51	1.32	0.64	1.10	0.37	20.75	60.70	18.55	6.47	0.57	-	-	1.03	(S)
Defense .....	2.82	2.64	1.49	2.10	0.52	29.51	58.24	12.26	9.10	0.62	-	-	1.07	(S)
Electronic components .....	1.29	1.18	0.71	0.94	0.46	31.10	54.16	14.74	9.14	0.60	-	-	1.02	(S)
Miscellaneous electrical equipment and supplies .....	1.67	1.26	0.71	0.99	0.51	16.83	32.97	50.20	35.45	0.40	-	-	1.06	(S)
Transportation equipment:														
Motor vehicle parts .....	2.01	1.58	1.08	0.93	0.63	30.91	22.62	46.47	21.00	0.41	-	2.1	1.05	(S)
Motor vehicle assembly operations .....	3.65	2.09	1.76	0.91	1.03	27.37	7.36	65.27	29.25	0.57	-	-	1.13	(S)



Table G-3. Total Inventories (Seasonal Factors)—Con.

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	Q Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries—Con.														
Transportation equipment—Con.														
Complete aircraft, missile and space vehicles:														
Nondefense .....	2.36	2.16	1.45	1.46	0.58	35.70	36.21	28.09	3.76	0.77	-	-	1.05	(S)
Defense .....	2.04	1.99	1.11	1.49	0.44	28.52	51.72	19.76	8.56	0.56	-	-	1.04	(S)
Aircraft, missile and space vehicle parts:														
Nondefense .....	2.32	2.05	1.29	1.59	0.43	34.41	52.11	13.48	8.42	0.41	-	-	1.05	(S)
Defense .....	3.20	2.42	1.98	1.35	0.94	44.81	20.77	34.42	9.18	0.59	-	-	1.11	(S)
Shipbuilding and tanks:														
Nondefense .....	8.31	6.00	5.51	1.91	1.72	51.71	6.22	42.07	15.44	0.82	10.4	2.1	1.37	(S)
Defense .....	3.63	3.19	2.41	1.82	0.91	50.73	28.96	20.30	2.13	1.13	3.1	2.1	1.06	(S)
Railroad equipment .....	2.72	2.27	1.35	1.62	0.49	29.34	42.04	28.62	4.81	0.91	-	-	1.09	(NS)
Other transportation equipment ..	4.19	2.90	2.40	1.12	1.31	29.61	6.49	63.90	15.29	0.87	7.3	2.1	1.09	(S)
Instruments and related products:														
Search and navigation equipment:														
Nondefense .....	2.10	1.51	1.05	1.05	0.61	27.65	27.70	44.65	13.73	0.64	-	-	1.09	(S)
Defense .....	2.14	1.99	0.96	1.75	0.35	19.88	66.30	13.82	6.21	0.54	-	-	1.04	(S)
Measuring and controlling devices .....	1.22	1.05	0.69	0.76	0.54	33.52	40.18	26.30	9.43	0.64	-	-	1.02	(S)
Medical instruments and supplies .....	1.36	1.16	0.76	0.98	0.42	27.33	45.21	27.46	17.78	0.49	-	-	1.06	(S)
Ophthalmic goods, watches, and clocks .....	2.00	1.53	1.15	0.92	0.98	33.85	21.60	44.55	29.32	0.41	-	-	1.08	(S)
Photographic goods .....	2.42	1.65	1.23	1.05	0.77	25.29	18.22	56.49	20.78	0.52	-	-	1.09	(S)
Other durable goods:														
Miscellaneous personal goods. . .	1.84	1.19	0.83	0.72	0.67	21.43	16.10	62.47	38.29	0.33	-	-	1.09	(S)
Other durable goods .....	1.79	1.33	1.00	0.81	0.75	30.35	19.90	49.75	32.29	0.40	-	-	1.06	(S)
Nondurable goods industries:														
Food and kindred products:														
Meat products .....	2.86	1.61	1.26	0.75	1.27	21.62	7.54	70.84	31.51	0.63	-	-	1.07	(S)
Dairy products .....	1.78	1.26	1.01	0.65	1.10	31.76	13.40	54.84	42.57	0.53	-	-	1.05	(S)
Fats and oils .....	8.58	5.48	4.73	2.03	1.72	30.48	5.58	63.94	52.39	0.65	5.2	11.6	1.37	(S)
Beverages .....	1.68	1.09	0.98	0.51	1.29	34.57	9.41	56.01	20.51	0.73	-	-	1.04	(S)
All other foods .....	2.85	0.87	0.74	0.45	1.13	6.62	2.47	90.91	453.22	0.20	-	-	1.17	(S)
Tobacco products .....	3.34	1.75	1.41	1.12	0.74	17.26	11.01	71.73	52.00	0.27	-	-	1.16	(S)
Textile mill products:														
Broadwoven fabrics and other textiles .....	1.54	1.05	0.74	0.66	0.88	27.41	21.55	51.04	44.31	0.39	-	-	1.03	(S)
Knitting mills .....	2.19	1.28	1.06	0.61	1.18	22.35	7.52	70.13	44.66	0.51	-	-	1.10	(S)
Carpets and rugs .....	2.18	1.69	1.18	1.11	0.78	31.55	27.98	40.46	17.45	0.58	-	-	1.11	(S)
Apparel and other finished textile products .....	2.38	0.99	0.68	0.70	0.64	7.18	7.64	85.18	264.53	0.17	-	-	1.12	(S)
Paper and allied products:														
Pulp, paper and paperboard mills .....	1.32	1.12	0.71	0.73	0.55	28.66	30.48	40.86	23.44	0.39	-	-	1.06	(S)
Paperboard containers and boxes .....	1.60	1.31	0.92	0.88	0.67	34.65	31.12	34.23	17.22	0.49	-	-	1.04	(S)
Miscellaneous covered paper products .....	1.67	1.24	0.85	0.71	0.87	25.49	17.91	56.61	31.91	0.49	-	-	1.05	(S)
Printing and publishing:														
Newspaper, books, and periodicals .....	1.89	1.24	0.97	0.80	0.92	27.58	18.54	53.88	67.98	0.36	-	-	1.07	(S)
Other publishing and printing .....	2.63	1.34	0.97	0.86	0.68	15.55	12.32	72.12	58.26	0.32	-	-	1.15	(S)
Chemicals and allied products:														
Industrial chemicals .....	1.45	1.34	0.85	1.00	0.54	29.37	39.83	30.80	17.68	0.44	-	-	1.03	(S)
Paints and related products .....	2.04	1.65	1.39	0.81	1.06	45.52	15.34	39.13	29.28	0.43	-	-	1.09	(S)
Drugs, soaps, and toiletries .....	1.41	0.88	0.55	0.67	0.51	15.14	22.94	61.92	36.79	0.32	-	-	1.04	(S)
Agricultural chemicals .....	4.40	2.34	1.76	1.37	0.92	17.83	10.89	71.28	91.48	0.30	8.3	2.1	1.23	(S)



Table G-3. Total Inventories (Seasonal Factors)—Con.

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	Q Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Nondurable goods industries—Con.														
Petroleum and coal products: Asphalt paving and roofing materials. . . . .	5.07	3.54	3.03	1.58	1.28	36.15	9.76	54.08	34.18	0.55	2.1	3.2	1.24	(S)
Other petroleum refining products. . . . .	2.71	2.37	1.62	1.65	0.94	35.83	37.10	27.07	3.43	0.73	(NA)	(NA)	1.04	(S)
Rubber and miscellaneous plastics products:														
Tires and tubes. . . . .	3.02	1.90	1.37	1.23	0.80	19.36	15.61	65.03	61.30	0.43	-	-	1.10	(S)
Rubber and plastics footwear, hose, belting, gaskets and other rubber products. . . . .	1.68	1.43	1.02	0.94	0.65	33.22	28.57	38.21	21.81	0.46	-	-	1.03	(S)
Miscellaneous plastics products, n.e.c. . . . .	2.18	2.05	1.52	1.39	0.58	37.74	31.66	30.60	9.50	0.68	-	-	1.10	(S)
Leather and leather products:														
Leather tanning and finishing and footwear cut stock. . . . .	4.72	3.79	3.24	1.53	1.38	49.99	11.16	38.85	8.50	0.92	6.3	9.5	1.09	(S)
Other leather products. . . . .	2.98	1.90	1.52	0.77	1.41	27.75	7.15	65.10	24.73	0.61	-	-	1.08	(S)

- Represents zero. (NA) Not available. N.e.c. Not elsewhere classified. (S) Seasonally adjusted.



Table G-4. Materials and Supplies Inventories (Seasonal Factors)

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	Q Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Lumber and wood products . . . . .	2.96	1.69	1.25	0.85	0.95	18.67	8.71	72.61	101.19	0.27	-	-	1.14	(S)
Furniture and fixtures . . . . .	1.50	1.33	0.97	0.78	0.98	43.80	28.26	27.94	5.72	0.77	-	-	1.02	(S)
Stone, clay, and glass products . . . . .	1.35	1.08	0.87	0.61	1.14	45.90	22.31	31.79	10.19	0.71	-	-	1.03	(S)
Primary metals industries . . . . .	1.88	1.36	0.84	1.03	0.60	21.85	32.68	45.47	33.03	0.31	-	-	1.08	(S)
Fabricated metal products . . . . .	1.38	1.20	0.90	0.75	0.85	41.69	29.17	29.13	10.70	0.53	-	-	1.03	(S)
Industrial machinery and equipment . . . . .	1.33	1.21	0.88	0.86	0.78	44.28	41.77	13.96	3.60	0.76	-	-	1.01	(S)
Electronic and other electrical equipment . . . . .	1.43	1.20	0.78	0.85	0.63	29.78	35.45	34.77	17.92	0.49	-	-	1.02	(S)
Transportation equipment . . . . .	1.87	1.67	1.33	0.82	1.19	56.60	21.63	21.77	3.74	0.92	1.0	2.1	1.02	(S)
Instruments and related products . . . . .	1.93	1.76	1.12	1.21	0.61	35.24	41.42	23.34	6.58	0.61	-	1.1	1.05	(S)
Other durable goods . . . . .	1.94	1.61	1.37	0.90	1.08	48.85	21.40	29.75	7.27	0.76	-	-	1.03	(S)
Nondurable goods industries:														
Food and kindred products . . . . .	2.19	1.36	1.12	0.62	1.41	26.90	8.28	64.82	82.49	0.37	-	-	1.08	(S)
Tobacco products . . . . .	3.61	1.78	1.41	1.25	0.71	16.44	12.83	70.74	54.65	0.27	-	-	1.17	(S)
Textile mill products . . . . .	2.21	1.51	1.09	0.90	0.93	23.75	16.08	60.17	60.79	0.34	-	-	1.08	(S)
Apparel and other finished textile products . . . . .	2.20	1.50	1.24	0.77	1.08	34.02	12.91	53.07	27.00	0.43	-	-	1.07	(S)
Paper and allied products . . . . .	1.17	1.01	0.58	0.75	0.57	25.03	41.22	33.75	9.61	0.62	-	-	1.02	(S)
Printing, publishing, and allied industries . . . . .	2.24	1.60	1.13	1.08	0.84	25.84	23.61	50.56	35.82	0.37	-	-	1.08	(S)
Chemicals and allied products . . . . .	1.21	1.08	0.75	0.69	0.79	36.13	30.13	33.74	10.65	0.62	-	-	1.02	(S)
Petroleum and coal products . . . . .	3.37	3.08	2.30	1.71	0.98	45.33	25.12	29.55	4.10	0.86	(NA)	(NA)	1.05	(S)
Rubber and miscellaneous plastics products . . . . .	2.30	1.83	1.40	1.01	1.06	39.05	20.20	40.75	10.05	0.73	-	-	1.03	(S)
Leather and leather products . . . . .	3.95	2.87	2.40	1.29	1.15	46.92	13.45	39.63	5.00	0.89	3.1	5.3	1.04	(S)

- Represents zero. (NA) Not available. (S) Seasonally adjusted.



Table G-5. Work-In-Process Inventories (Seasonal Factors)

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	O Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Lumber and wood products . . . . .	2.58	2.25	1.81	1.17	1.56	52.11	21.80	26.08	7.86	0.82	-	-	1.10	(S)
Furniture and fixtures . . . . .	1.94	1.64	1.35	0.80	1.22	53.92	19.21	26.87	10.78	0.78	-	-	1.04	(S)
Stone, clay, and glass products . . .	2.59	1.71	1.43	0.87	1.35	30.32	11.05	58.63	46.54	0.45	1.0	-	1.09	(S)
Primary metals industries . . . . .	1.62	1.45	0.90	1.03	0.68	31.33	41.37	27.30	12.95	0.56	-	-	1.04	(S)
Fabricated metal products . . . . .	1.69	1.16	0.94	0.59	1.30	33.29	13.03	53.68	18.83	0.58	-	-	1.06	(S)
Industrial machinery and equipment . . . . .														
Electronic and other electrical equipment . . . . .	1.54	1.17	0.82	0.82	0.66	30.79	30.57	38.64	10.40	0.61	-	-	1.05	(S)
Transportation equipment . . . . .	1.36	1.06	0.52	0.91	0.38	15.02	46.56	38.42	24.91	0.41	-	-	1.05	(S)
Instruments and related products . .	1.58	1.24	0.73	0.96	0.59	22.93	39.74	37.33	11.35	0.54	-	-	1.04	(S)
Other durable goods . . . . .	1.77	1.49	0.97	1.09	0.51	30.37	38.84	30.79	20.71	0.39	-	-	1.06	(S)
	2.28	1.95	1.59	0.91	1.28	53.47	17.56	28.96	12.91	0.56	2.1	1.1	1.05	(S)
Nondurable goods industries:														
Food and kindred products . . . . .	2.37	1.71	1.35	0.86	1.17	42.19	16.93	40.88	11.77	0.70	1.0	-	1.09	(S)
Tobacco products . . . . .	21.15	13.55	11.51	4.56	2.47	34.47	5.40	60.13	46.37	0.45	56.3	63.2	2.06	(S)
Textile mill products . . . . .	1.72	1.31	1.07	0.59	1.49	51.67	15.67	32.66	9.15	0.86	-	-	1.05	(S)
Apparel and other finished textile products . . . . .	2.71	1.96	1.50	1.05	1.16	30.90	15.02	54.08	39.13	0.41	2.1	2.1	1.08	(S)
Paper and allied products . . . . .	2.11	1.71	1.40	0.81	1.23	48.79	16.29	34.92	13.56	0.67	-	-	1.06	(S)
Printing, publishing and allied industries . . . . .														
Chemicals and allied products . . . .	3.30	2.31	2.05	1.02	1.36	38.87	9.57	51.55	16.10	0.62	1.0	-	1.12	(S)
Petroleum and coal products . . . . .	1.95	1.56	1.31	0.91	1.02	43.34	21.23	35.43	10.70	0.67	-	-	1.06	(S)
Rubber and miscellaneous plastics products . . . . .	3.97	3.57	3.04	1.93	1.34	54.82	22.01	23.18	2.74	0.97	(NA)	(NA)	1.04	(S)
Leather and leather products . . . . .	2.65	2.22	1.90	1.06	1.23	54.27	16.89	28.84	4.22	0.82	-	2.1	1.06	(S)
	4.01	2.97	2.60	1.13	1.67	47.07	8.92	44.01	5.24	1.05	1.0	-	1.08	(S)

- Represents zero. NA) Not available. (S) Seasonally adjusted.



Table G-6. **Finished Goods Inventories (Seasonal Factors)**

Industry	Average percent changes				Ratio of irregular to cyclical components (T/C)	Relative contribution to variance			F Value	Q Value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CT)	Irregular component (T)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Lumber and wood products . . . . .	3.53	2.09	1.53	1.08	1.15	19.33	9.60	71.08	110.64	0.37	-	1.1	1.14	(S)
Furniture and fixtures . . . . .	2.04	1.46	1.16	0.80	1.07	32.54	15.22	52.24	31.58	0.47	-	-	1.10	(S)
Stone, clay, and glass products . . .	2.09	1.16	0.95	0.67	1.06	19.33	9.49	71.19	107.13	0.36	-	-	1.09	(S)
Primary metals industries . . . . .	2.21	1.67	1.19	0.98	0.88	29.68	20.33	49.99	30.97	0.41	-	-	1.08	(S)
Fabricated metal products . . . . .	1.85	1.23	0.97	0.79	0.93	28.50	18.65	52.86	52.02	0.33	-	-	1.06	(S)
Industrial machinery and equipment . . . . .	1.89	1.40	1.07	0.96	0.71	30.51	24.83	44.66	22.91	0.49	-	-	1.06	(S)
Electronic and other electrical equipment . . . . .	1.99	1.32	0.88	1.01	0.65	19.70	25.63	54.67	70.22	0.30	-	-	1.07	(S)
Transportation equipment . . . . .	2.69	2.02	1.69	0.98	1.01	42.52	14.28	43.20	11.55	0.64	-	-	1.08	(S)
Instruments and related products . .	2.06	1.52	1.02	1.20	0.61	22.29	30.69	47.02	24.39	0.51	-	-	1.06	(S)
Other durable goods . . . . .	2.22	1.52	1.11	0.89	0.81	24.21	15.62	60.17	42.01	0.36	-	-	1.09	(S)
Nondurable goods industries:														
Food and kindred products . . . . .	2.71	0.98	0.83	0.48	1.34	9.08	3.04	87.87	207.14	0.23	-	-	1.14	(S)
Tobacco products . . . . .	9.86	5.57	4.87	2.38	1.31	28.61	6.85	64.54	16.30	0.63	16.7	27.4	1.31	(S)
Textile mill products . . . . .	1.85	1.11	0.84	0.66	0.69	21.68	13.46	64.86	71.58	0.30	-	-	1.10	(S)
Apparel and other finished textile products . . . . .	4.00	1.79	1.20	1.17	0.68	8.43	8.08	83.49	188.87	0.24	-	-	1.22	(S)
Paper and allied products . . . . .	2.18	1.23	0.84	0.76	0.90	12.67	10.38	76.95	97.47	0.26	-	-	1.08	(S)
Printing, publishing and allied products . . . . .	3.00	1.69	1.46	0.84	1.29	23.67	7.82	68.51	111.24	0.25	-	-	1.16	(S)
Chemicals and allied products . . . .	1.79	1.42	0.99	0.98	0.67	28.40	27.95	43.64	22.93	0.36	-	-	1.05	(S)
Petroleum and coal products . . . . .	3.70	3.21	2.20	1.97	1.04	36.04	28.83	35.13	5.44	0.80	(NA)	(NA)	1.06	(S)
Rubber and miscellaneous plastics products . . . . .	2.32	1.38	1.08	0.83	0.95	18.04	10.61	71.36	91.23	0.36	-	-	1.11	(S)
Leather and leather products . . . . .	4.64	2.62	2.21	1.18	1.53	25.13	7.22	67.65	19.34	0.64	2.1	4.2	1.08	(S)

- Represents zero. (NA) Not available. (S) Seasonally adjusted.







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CURRENT INDUSTRIAL REPORTS

**M3-1(91)**

# **Manufacturers' Shipments, Inventories, and Orders: 1982-1991**

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CENSUS



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# **Manufacturers' Shipments, Inventories, and Orders: 1982-1991**



**U.S. Department of Commerce**  
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**Economics and Statistics Administration**  
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# Summary of Revisions

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## GENERAL

The historical data from the Manufacturers' Shipments, Inventories, and Orders survey have been revised as a result of:

1. Benchmarking the shipments and inventory data to the 1989 and 1990 Annual Surveys of Manufactures (ASM).
2. Adjusting new and unfilled orders to be consistent with the benchmarked shipments and inventory data.
3. Updating the trading day adjustment factors in the shipments series.
4. Updating the seasonal adjustment factors for all series.

The results of the first two procedures are summarized for 1989 through 1991 in table A in the form of annual level and year-to-year percent change revisions. The results of the trading day and seasonal adjustment factor updates are shown in table B as they affected the more recent month-to-month trends in the seasonally adjusted data.

## SPECIFIC

### Updating of Trading Day and Seasonal Adjustment Factors

A discussion of the trading-day adjustment methodology and an updated set of daily weights for each shipments' series are found in appendix F. Updated

diagnostic information on the characteristics and quality of the seasonal adjustment for all series is found in the tables in appendix G. The effects of updating the trading day and seasonal adjustment factors on the month-to-month percent changes for 1991 for the major industrial categories and aggregates are shown in table B.

## Data Availability

In addition to this report, historical data from 1958 through 1991 are available on computer tape through the Data User Services Division of the Census Bureau at a cost of \$175.00. To order, call 301-763-4100.

The monthly press releases for the M3 survey are issued around the 17th and 23rd working days of the month following the statistical period covered. These are available on hard copy or via a fax transmission service, both on a subscription fee basis. To subscribe to this service, call 301-763-2502. These reports are also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199).







## Description of Survey

The Manufacturers' Shipments, Inventories, and Orders (M3) survey provides broadbased, monthly statistical data on economic conditions in the domestic manufacturing sector. It is designed to measure current industrial activity and to provide an indication of future business trends. The data are used extensively by the Executive Branch of the Government in developing economic, fiscal, and monetary policy; by the Bureau of Economic Analysis as components of the gross domestic product estimates; and by trade associations, corporate economists, and other members of the business community as an analytical tool in their assessment of the current and future economic condition of the country.

### COMPOSITION OF INDUSTRY CATEGORIES

There are 80 industry categories for which estimates are separately tabulated in the M3 survey. These categories are groupings of the 459 manufacturing industries as defined in the 1987 Standard Industrial Classification (SIC) Manual.<sup>1</sup> These categories are listed in appendix B.

Reporting in many of these 80 categories is not sufficient to warrant separate publication of the data. The quality of the data in the specific categories is further limited by consolidated reporting by some large companies. A company which reports on a consolidated basis (either the entire company or a division) is included only in the M3 category in which the reporting unit as a whole is classified and has no influence on the movement of the other industries included in the combined report.

As a result, it has been necessary to combine the 80 industry categories into 45 publication levels for shipments and total inventories. For new and unfilled orders, and inventories by stage of fabrication, it has been necessary to introduce further combinations because of the lower response rates for those items.

### COMPOSITION OF THE SURVEY PANEL

The monthly M3 estimates are based on information obtained from most manufacturing companies with \$500 million or more in annual shipments. Selected smaller

companies are included to strengthen the sample coverage in individual industry categories. These companies are identified from the quinquennial censuses of manufactures and/or interim annual surveys of manufactures.

For firms that operate in a single M3 industry category, the reporting unit typically comprises all operations of the company. Most large, diversified companies, however, file separate reports for divisions with significant activity in different industrial areas.

Each company or reporting unit of a company in the survey is usually comprised of more than one plant or establishment and frequently includes industry activities outside the M3 category in which it is classified. The survey methodology described later in this chapter assumes that the month-to-month changes of the total operations of the reporting units classified in each industry category effectively represent the month-to-month movements of all establishments classified in the most recent census in the 4-digit SIC industries which make up the category.

The sample for this survey was initially selected in 1962 and included all companies with more than 1,000 employees. Smaller companies were sampled proportional to their employment size. Because of poor response rates, reporting by companies with less than 100 employees was discontinued in 1963; and instead, data for these companies were estimated by using overall industry averages based on data reported by the larger companies.

There was also some deterioration in response rates for companies with between 100 and 1,000 employees. Therefore, in January 1975, a supplemental sample of approximately 1,000 companies was selected from the universe of companies in this size range in order to strengthen the estimates. Although the response rate was only about 60 percent for this group, reports from responding companies have been included in the monthly estimates beginning with January 1978.

In recent years, efforts to increase response rates have been based on the size of the value of shipments of the company or reporting unit rather than the employment size. Using this criterion, large companies that do not report in the survey were visited or otherwise contacted and requested to participate or reconsider a previous decision not to participate. Large companies with diversified manufacturing activities that already

<sup>1</sup>The SIC, as developed in the Office of Management Budget by the Technical Committee on Industrial Classification, classifies establishments to the 4-digit industry level by principal type of activity therein engaged.



report in the survey were requested to submit data for industry categories not previously reported.

Letters are sent on an ongoing basis to companies in industry categories with low response rates, soliciting their participation. Also, a probability sample was selected in 1990 and mailed to about 400 mid-sized companies in the plastics industry. The purpose was to test the viability of probability sampling, especially in industries comprised primarily of smaller, less diversified companies.

All of these efforts to increase response resulted in the addition to the panel of about 45 to 55 percent of the companies contacted. However, these increases are frequently offset by respondent dropouts. The current coverage levels in the survey show that approximately 50 percent of the shipments estimates at the total manufacturing level are based on reported data, while the individual coverage rates for the twenty 2-digit major SIC industries vary from about 20 to 99 percent.

## LIMITATIONS OF THE DATA

The monthly data presented in this publication are subject to both sampling and nonsampling errors. Sampling errors occur because reports are received from a sample rather than from the complete universe of manufacturing companies. Because the present composition of the panel is not based on a probability sample, the amount of sampling error cannot be quantified. Nonsampling errors, on the other hand, are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use primarily of large companies to represent the month-to-month movement of all companies is another potential source. In addition, response and processing errors may be present, although most significant errors of this kind are detected through computer edits of the data prior to tabulation and through analytical review of the data.

## MONTHLY ESTIMATION PROCEDURE

The monthly universe estimates of shipments, unfilled orders, and total inventories are derived for each industry category using a link relative procedure. The universe estimate for the previous month is multiplied by the monthly ratio of change tabulated for reporting companies in the current month to arrive at a universe estimate for the current month.

When an individual company reports unusually large changes from the previous month, or when a particular company has unique data patterns differing substantially from the movement shown by the rest of the reporting panel, the company is excluded from the ratio of change calculation but included in the universe

estimate of level. The effect of this procedure is to restrict the estimation for nonrespondents and firms not in the survey panel to the general trend of the industry.

The universe estimate of new orders is derived from the monthly estimate of shipments plus the change in unfilled orders between the current and prior period. The estimate includes orders that are received and filled in the same month as well as orders that have not yet been filled. Also included are the effects of cancellations and modifications of previously reported orders.

The standard ratio estimate procedure is not followed for new orders because not all companies report new orders, and some that do report this item limit their reporting to specific products for which long lead times are required in the production cycle. These companies, in effect, exclude new orders received for products that are shipped from inventory.

A modified procedure also is used to estimate the stage of fabrication inventory data. In this procedure, the total inventory data estimated for each tabulated industry category are retabulated by the appropriate 2-digit SIC major group levels and serve as control totals for the stage of fabrication data. Initial estimates are made for each of the stages of fabrication at the 2-digit SIC level using the ratio estimation procedure. The differences between the sum of the stage of fabrication detail and total inventories at the 2-digit SIC level are then allocated proportionally to the stage of fabrication figures to form the estimates. This procedure is followed because a significant number of companies that report total inventories cannot report inventories by stage of fabrication.

## Trading Day Adjustment

Variations in the rate of manufacturing activity resulting from different numbers of trading days in the same month for different years, and variations in the length of months can be an important cause of month-to-month fluctuations in the shipments data. For many industries, these irregularities can be approximately identified and removed so that the underlying trend-cycle stands out more clearly.

Recent software and data processing improvements have facilitated research and implementation of unique trading day adjustment factors for each series. These improvements include refinements to the trading day analysis in the X-11 seasonal adjustment program,<sup>2</sup> additions to diagnostic software,<sup>3</sup> which identifies pro-

<sup>2</sup>The X-11 ARIMA Variant of Census Method II Seasonal Adjustment from Statistics Canada is the program used to calculate trading day weights and to seasonally adjust data in this publication.

<sup>3</sup>"Sliding Spans Diagnostics for Seasonal and Related Adjustments," Findley, Monsell and Shulman, Bureau of the Census, (Washington, D.C. 1986).



gressively unstable data patterns and redesign of the monthly survey data processing system.

Most of the shipments series have trading day factors calculated in the trading day regression analysis routine of the X-11 software. These factors were used to adjust shipments from 1987 to 1991. Before 1987, the trading factors reported in table F-1 of M3-1(90) were used. However, eight of the shipment series did not have identifiable trading day patterns and are only being adjusted for length of month variations. The set of daily weights for each shipments series and a more detailed discussion of the methodology comprise appendix F.

## Seasonal Adjustment Methodology

The monthly data are adjusted for seasonality at the most detailed level tabulated in the survey, using the X-11 ARIMA version of the Census Bureau's seasonal adjustment program.<sup>4</sup> The seasonally adjusted estimates for shipments, unfilled orders, and total inventories for M3 industry categories are calculated by dividing the unadjusted estimates by seasonal adjustment factors computed by the X-11 ARIMA seasonal adjustment program. Seasonally adjusted new orders are computed by adding the changes between current and prior period seasonally adjusted unfilled orders to the current month's seasonally adjusted shipments.

The inventory by stage of fabrication data are seasonally adjusted at the 2-digit SIC major group level and then summed to total inventory 2-digit SIC estimates. If the summed data do not equal the major group totals resulting from summing the seasonally adjusted total inventories for the individual industries, the difference is proportionally allocated to the stage of fabrication detail.

Seasonal factors are calculated on a concurrent basis and include the current period observation in the calculation of the seasonal factor for that month. The factors reflected in this report are based on data from January 1978 through December 1991 for shipments and inventories and January 1977 through December 1991 for unfilled orders. Reliability measures regarding the adequacy of the seasonal adjustment of specific series are presented in appendix G. For information on specific measures used in the seasonal adjustment analysis, selection of options within the X-11 program for the individual industry series, and tests for the presence of seasonality, contact the Industry Division, Bureau of the Census, Washington, DC 20233, or call (301) 763-2502.

## BENCHMARK PROCEDURE

The M3 survey data are benchmarked to reduce both sampling and nonsampling errors. The relatively small monthly sample size as well as the differences that

result from collecting the monthly data on a divisional basis as compared to the benchmark data on an establishment basis account for most of the revision. Also, some monthly reports received too late to include in the monthly publications are added to improve the revised estimates of change in the historical monthly data.

The benchmarking process for this report included comparing monthly data reported by large companies with their annual data submitted in the 1989 and 1990 Annual Survey of Manufactures (ASM).

Estimates of annual shipments and end-of-year total and stage of fabrication inventories calculated in the monthly survey were benchmarked directly to the data compiled in the quinquennial censuses of manufactures and the interim ASMs. The unfilled orders levels were adjusted based on changes in the ratio of unfilled orders to shipments of companies reporting in the monthly survey and the ratio of the ASM shipments estimate to the summed monthly survey data. Since new orders are defined as the change in unfilled orders between the current and prior periods plus the current period shipments, implicit benchmark estimates for new orders were derived.

## DEFINITION OF TERMS

### Value of Shipments

The value of shipments data in the M3 survey represents net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. This is the same definition used in the ASM. However, the data reported in the two surveys frequently are not equal because of differences in the reporting unit as discussed earlier. For multiestablishment companies, the M3 reports typically are company or divisional level reports that encompass groups of plants. The data reported are usually net sales, and receipts from customers and do not include the value of interplant transfers. The reported sales are used to calculate month-to-month changes which bring forward the universe estimates developed from the ASM.

The value of products made elsewhere under contract from materials owned by the plant is also included as well as receipts for contract work performed for others, resales, miscellaneous activities such as the sale of scrap and refuse, installation and repair work performed by employees of the plant, and the receipts for research and development performed at the plant.

In the shipbuilding industry, the value of work done in a given year varies considerably from the value of shipments because of the long lead time between the start and completion of a large vessel. In the annual survey, the value of work done during the year, rather than the value of shipments, is included. The same

<sup>4</sup>See footnote 2.



procedure is followed for aircraft produced on a cost-plus contract. Aircraft produced on a fixed-price contract are reported in the usual manner when the products are shipped. Where value of work done is reported in place of shipments, the work-in-process inventories are normally charged to the customer as costs are incurred and are not accumulated as finished goods inventories by the shipyard or the aircraft producer.

The value of shipments figures developed from the ASM contain duplication at the M3 industry category and higher level aggregates, since the products of some 4-digit SIC industries are used as materials by other industries within the same M3 industry aggregate. The significance of the duplication within the specific M3 industry categories varies depending on their 4-digit industry composition. It is most pronounced in a few highly integrated industry areas, such as primary metals and motor vehicles and parts.

## INVENTORIES

Inventories in the M3 survey are collected on a current cost or pre-LIFO basis. Because different inventory valuation methods are reflected in the reported data, the estimates differ slightly, from replacement cost estimates. Companies using the LIFO method for valuing inventories, report their pre-LIFO value; that is, the adjustment to their base period prices is excluded.

In the ASM, inventories are collected according to this same definition. However, there are discontinuities in the historical data in both surveys. In the ASM, until 1982, respondents were asked to report their inventories at book values, that is, according to whatever method they used for tax purposes (LIFO, FIFO, and so forth.) Because of this, the value of aggregate inventories for an industry was not precise. Effective with the 1982 Census of Manufactures, instructions for reporting inventories were changed. LIFO users were asked to report inventories prior to the LIFO adjustment and also to report the LIFO reserve and the LIFO value after adjustment for the reserve. Because of this change, the 1982 census data for inventories were published on both bases. Inventory data in subsequent ASMs are available only on a pre-LIFO basis, with no book value estimates comparable to the earlier data.

This change in instructions for reporting current cost inventories was carried to the monthly survey beginning in January 1987. The data for 1982 to 1987 were

previously redefined (but not recollected) on a pre-LIFO or current cost basis. The procedure used in adjusting these monthly estimates from a book value basis to the pre-LIFO levels used the pre-LIFO end-of-year levels from the ASM as constraints and the same general procedure for minimizing revisions to the month-to-month change in the monthly book value data as described in the section on benchmarking methodology.

Inventory data are requested from respondents by stage of fabrication, that is, finished goods, work in process, and raw materials and supplies. There are several limitations to the quality of these data for two reasons. First, response to the stage of fabrication inquiries is lower than for total inventories because all companies do not keep their data monthly at this level of detail; those companies which do maintain detail records monthly, frequently do not have data for all three stages of fabrication or have quantity (physical volume) data only. Second, a product considered to be a finished good in one industry, such as steel mills shapes, may be reported as a raw material in another industry, such as stamping plants. Therefore, within the 2-digit major SIC groups the same type of inventory may be included under different stage of fabrication categories. Like total inventories, stage of fabrication inventories are also benchmarked to the ASM pre-LIFO data.

## NEW ORDERS RECEIVED AND UNFILLED ORDERS

New orders as reported in the monthly survey are net of order cancellations received during the month as well as orders received for future delivery. They also include the value of contract changes which increase or decrease the value of the unfilled orders to which they relate. Orders are defined to include those supported by binding legal documents such as signed contracts, letters of award, or letters of intent, although in some industries this definition may not be strictly applicable. In the case of letters of intent, the full amount of the sales value is included if the parties are in substantial agreement on the amount; otherwise, only the funds specifically authorized to be expended are included.

Unfilled orders include orders as defined above that have not been reflected as shipments. Generally, unfilled orders at the end of the reporting period are equal to unfilled orders at the beginning of the period plus net new orders received less net shipments.



Figure A.  
**All Manufacturing Industries Shipments, Inventories,  
 New and Unfilled Orders Seasonally Adjusted:  
 January 1982 – December 1991**

Billions of dollars

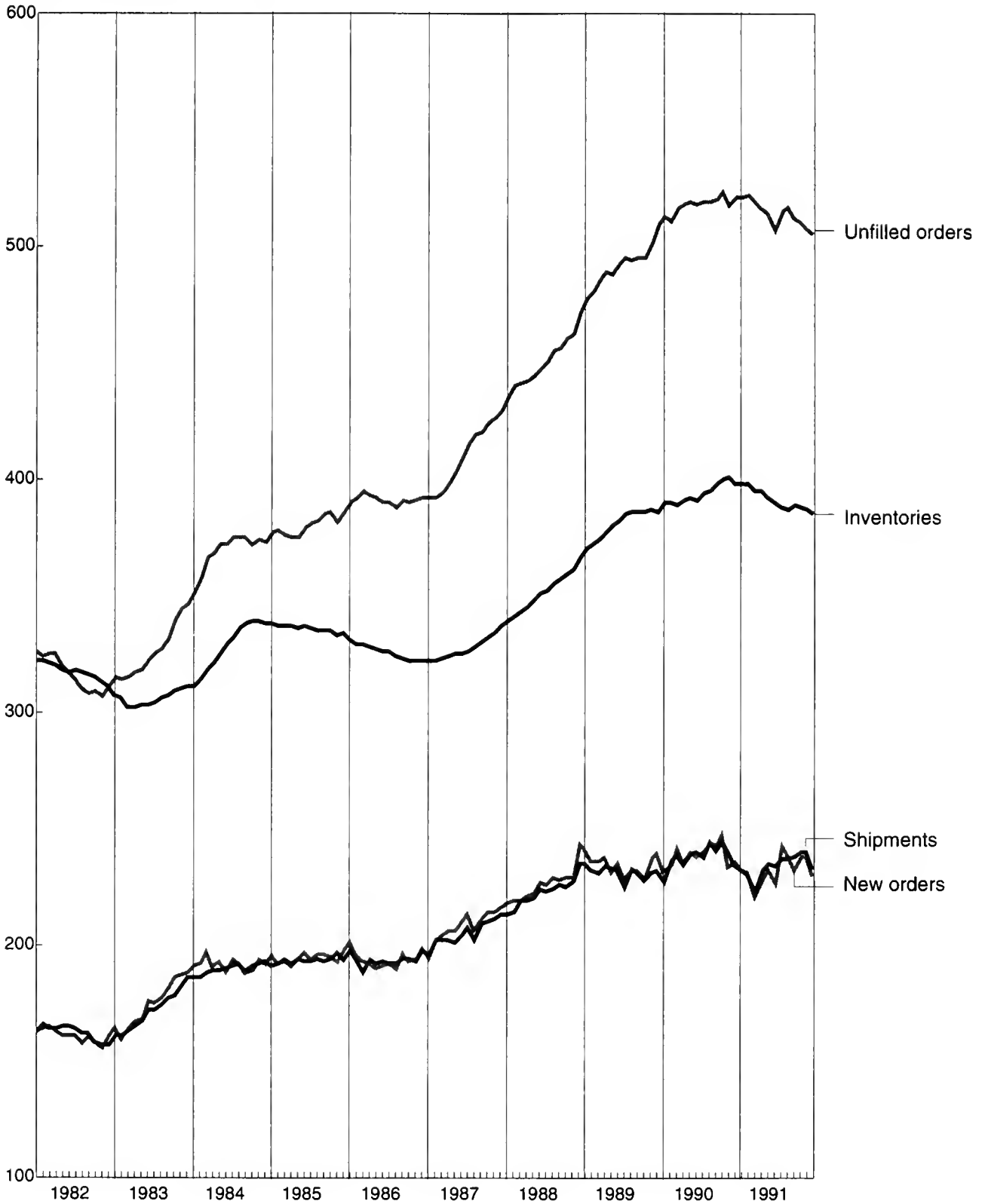




Figure B.  
**Ratios of Unfilled Orders to Shipments and  
Inventories to Shipments Seasonally Adjusted:  
January 1982 – December 1991**

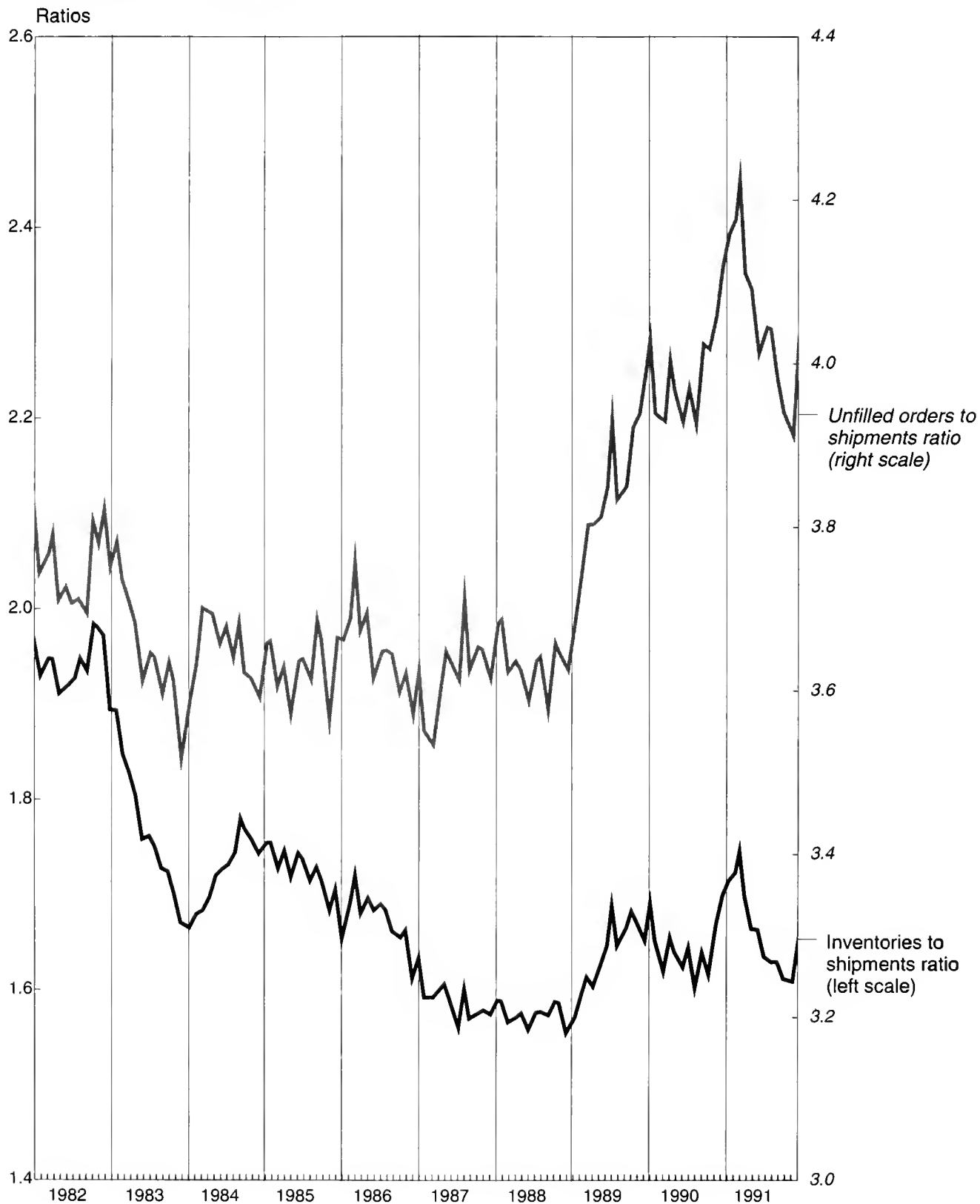




Figure C.  
**Manufacturers' Shipments Seasonally Adjusted:**  
**January 1987 – December 1991**

Billions of dollars

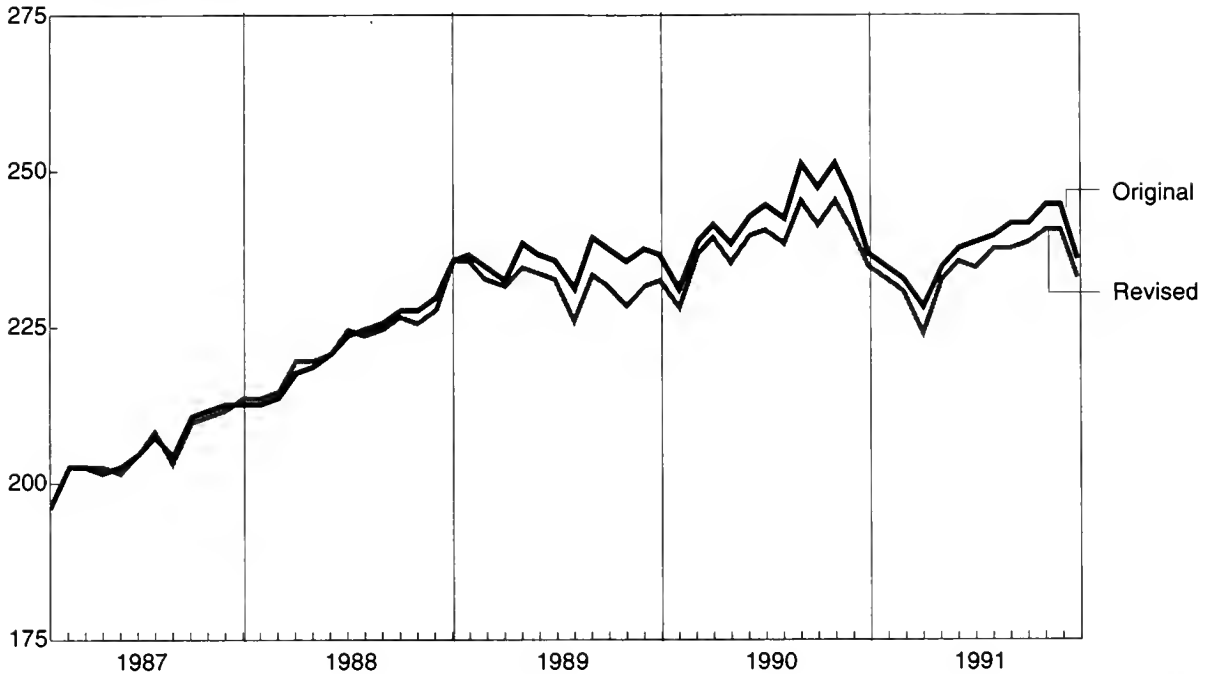


Figure D.  
**Manufacturers' New Orders Seasonally Adjusted:**  
**January 1987 – December 1991**

Billions of dollars

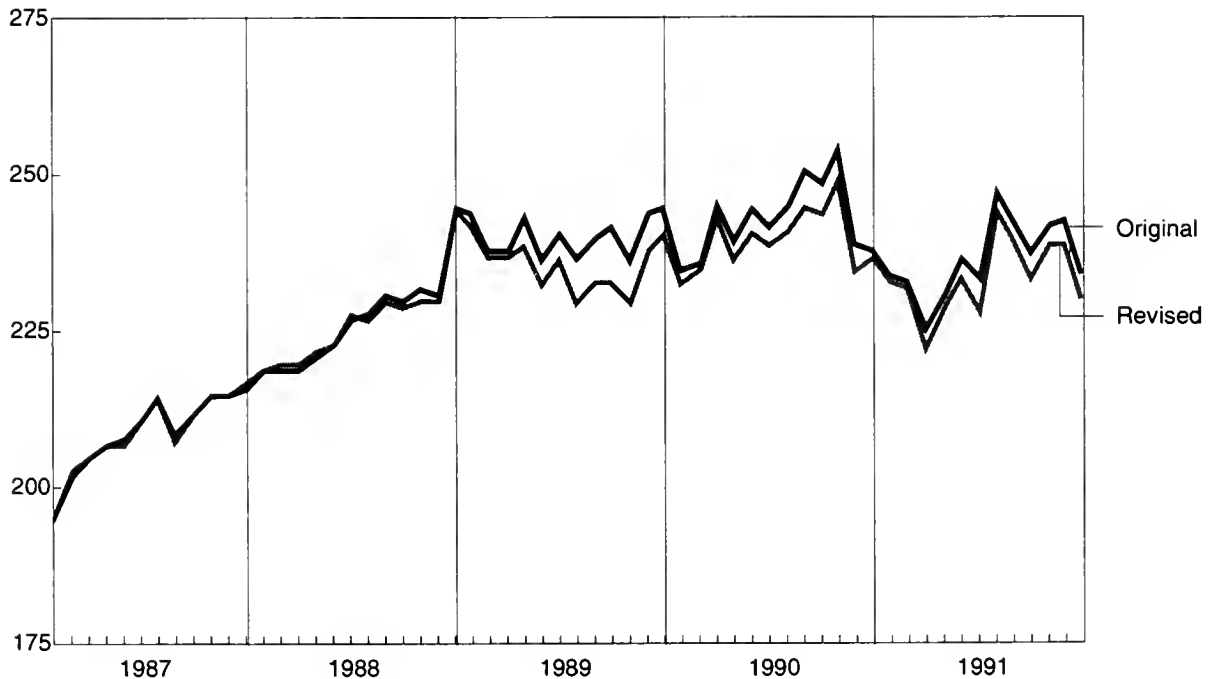




Figure E.  
**Manufacturers' Unfilled Orders Seasonally Adjusted:**  
**January 1987 – December 1991**

Billions of dollars

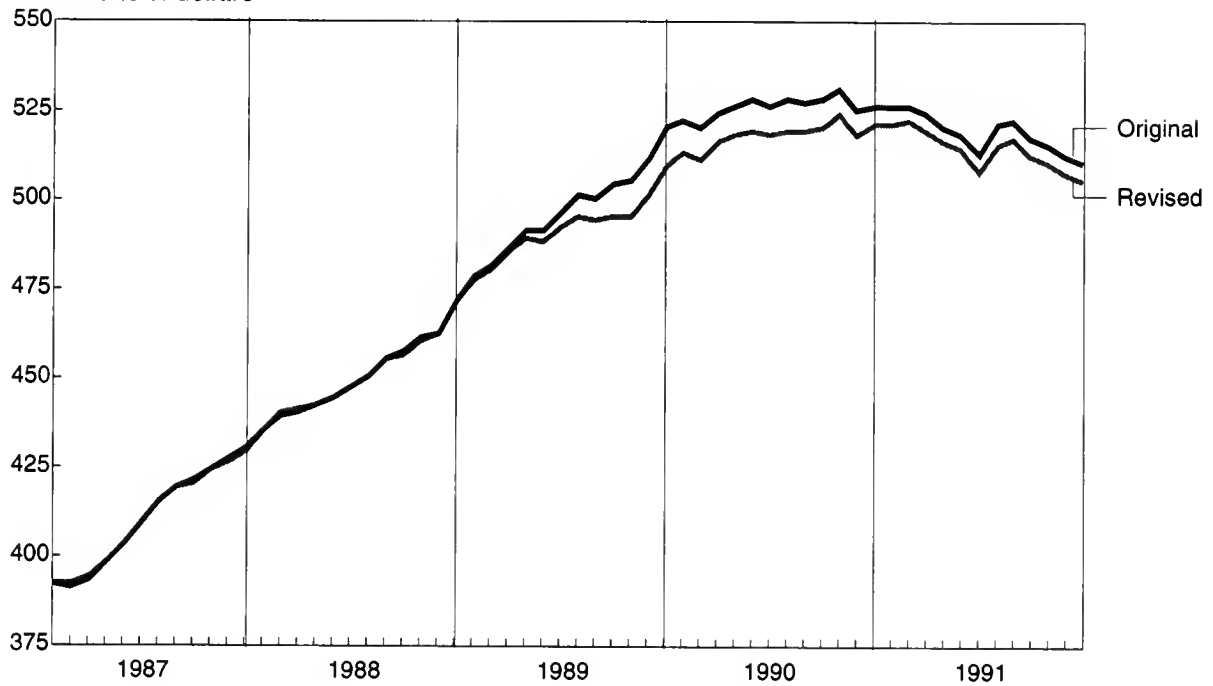


Figure F.  
**Manufacturers' Inventories Seasonally Adjusted:**  
**January 1987 – December 1991**

Billions of dollars

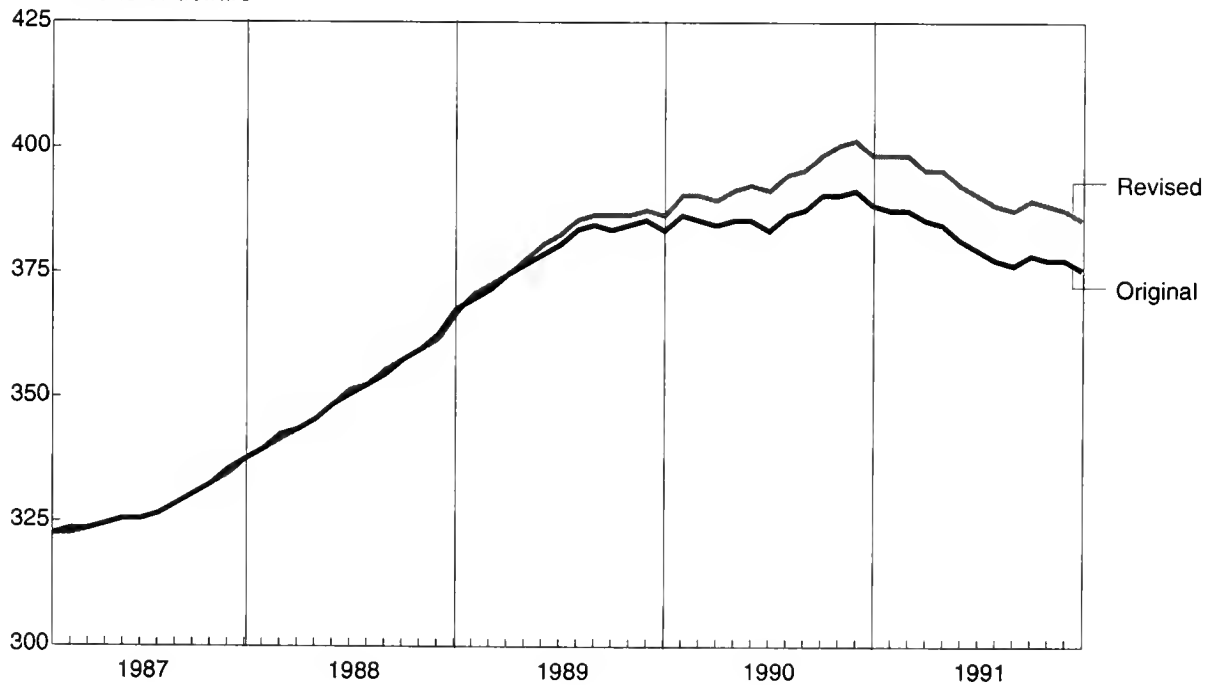




Table A. REVISIONS TO MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS: 1989 TO 1991

(Millions of dollars)

Industry		As revised	As published	Percent revised	Year-to-year percent change	
					As revised	As published
ANNUAL SHIPMENTS						
All manufacturing industries .....	1991. .	2,821.7	2,863.6	-1.5	-1.8	-1.8
	1990. .	2,873.5	2,917.5	-1.5	+2.9	+2.7
	1989. .	2,792.6	2,840.3	-1.7	+4.1	+5.9
Durable goods industries .....	1991. .	1,422.6	1,459.1	-2.5	-3.1	-3.0
	1990. .	1,468.6	1,504.7	-2.4	+0.6	+0.7
	1989. .	1,460.4	1,494.4	-2.3	+3.1	+5.5
Nondurable goods industries .....	1991. .	1,399.1	1,404.6	-0.4	-0.4	-0.6
	1990. .	1,404.8	1,412.8	-0.6	+5.4	+5.0
	1989. .	1,332.2	1,345.9	-1.0	+5.2	+6.3
ANNUAL NEW ORDERS						
All manufacturing industries .....	1991. .	2,805.3	2,847.5	-1.5	-2.8	-2.6
	1990. .	2,885.0	2,923.7	-1.3	+1.9	+1.2
	1989. .	2,830.9	2,889.1	-2.0	+3.9	+6.0
Durable goods industries .....	1991. .	1,404.8	1,441.7	-2.6	-5.1	-4.6
	1990. .	1,479.9	1,511.5	-2.1	-1.3	-2.1
	1989. .	1,498.9	1,543.8	-2.9	+2.8	+5.9
Nondurable goods industries .....	1991. .	1,400.5	1,405.8	-0.4	-0.3	-0.5
	1990. .	1,405.1	1,412.2	-0.5	+5.5	+5.0
	1989. .	1,332.0	1,345.3	-1.0	+5.1	+6.2
END-OF-YEAR UNFILLED ORDERS						
All manufacturing industries .....	1991. .	502.3	507.9	-1.1	-3.2	-3.1
	1990. .	518.7	524.1	-1.0	+2.3	+1.2
	1989. .	507.2	517.8	-2.0	+8.1	+10.4
Durable goods industries .....	1991. .	479.7	486.7	-1.4	-3.6	-3.5
	1990. .	497.6	504.1	-1.3	+2.3	+1.4
	1989. .	486.3	497.3	-2.2	+8.6	+11.0
Nondurable goods industries .....	1991. .	22.5	21.2	+6.1	+6.6	+6.5
	1990. .	21.1	19.9	+6.0	+1.0	-2.9
	1989. .	20.9	20.5	+2.0	-0.9	-2.8
END-OF-YEAR INVENTORIES						
All manufacturing industries .....	1991. .	379.9	369.5	+2.8	-3.2	-3.3
	1990. .	392.4	382.1	+2.7	+3.2	+1.3
	1989. .	380.4	377.2	+0.8	+5.2	+4.3
Durable goods industries .....	1991. .	241.9	235.1	+2.9	-5.0	-5.0
	1990. .	254.5	247.6	+2.8	+1.5	-0.2
	1989. .	250.7	248.0	+1.1	+6.0	+4.9
Nondurable goods industries .....	1991. .	138.0	134.4	+2.7	+0.1	-0.1
	1990. .	137.9	134.5	+2.5	+6.3	+4.1
	1989. .	129.7	129.2	+0.4	+3.8	+3.4



**Table B. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS MONTHLY PERCENT CHANGES: 1991**

(Based on seasonally adjusted data)

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>SHIPMENTS</b>												
All manufacturing . . . . .As revised. .	-0.9	-0.5	-2.5	+3.4	+1.1	-0.3	+1.2	+0.1	+0.4	+0.9	-	-3.4
As published. .	-0.9	-0.6	-1.9	+2.7	+1.4	+0.4	+0.5	+0.7	+0.1	+1.2	+0.1	-3.9
Durable goods . . . . .As revised. .	-1.0	-0.3	-3.2	+5.4	+0.7	+0.4	+1.1	+0.7	+0.8	+0.7	-	-4.8
As published. .	-0.8	-0.2	-2.5	+4.6	+1.1	+1.0	+0.6	+1.2	+0.4	+1.2	+0.1	-5.3
Primary metals. . . . .As revised. .	-3.3	-4.7	-4.8	+5.1	-1.0	-1.7	+2.1	+0.5	+1.5	-0.7	-0.9	-2.1
As published. .	-3.0	-4.7	-3.8	+4.0	-0.5	-1.4	+1.9	+1.3	+1.0	-0.9	-0.3	-2.9
Industrial machinery and equipment . . . . .As revised. .	-3.2	-0.7	-0.3	+0.2	-0.4	+2.1	-2.8	-0.4	+0.7	+1.0	+0.7	-3.6
As published. .	-4.0	-0.5	-0.3	+0.2	-0.7	+2.0	-3.0	+0.1	+0.8	+1.4	+1.2	-3.9
Electronic and other electrical machinery. . . . .As revised. .	+0.1	+0.3	-0.4	+1.5	+2.1	-0.6	+0.4	-0.2	+1.8	-0.2	+1.9	-0.6
As published. .	+0.3	-0.5	-	+1.4	+2.8	-0.8	+0.5	-0.3	+1.3	+0.3	+2.8	-0.6
Transportation equipment . . . . .As revised. .	+2.2	+2.3	-6.6	+13.0	+2.0	-0.2	+3.7	+1.2	+2.4	+1.5	-2.2	-11.4
As published. .	+5.1	+2.9	-5.5	+11.3	+3.0	+1.6	+2.7	+1.5	+1.9	+2.6	-3.3	-11.7
Capital good industries:												
Nondefense . . . . .As revised. .	-3.7	+1.6	-2.2	+1.3	+1.4	+2.3	-3.1	+1.1	+1.2	+1.9	-0.4	-7.0
As published. .	-3.1	+1.6	-2.5	+1.0	+1.3	+2.2	-3.4	+1.7	+0.9	+2.4	+0.7	-7.2
Nondefense, excluding aircraft. . . . .As revised. .	-2.3	-0.6	+1.1	-0.9	+1.3	+1.5	-2.6	+0.3	+1.8	+1.0	+0.1	-3.7
As published. .	-1.6	-1.3	+0.9	-0.7	+1.1	+1.0	-2.5	+0.7	+1.5	+1.5	+0.7	-3.8
Defense. . . . .As revised. .	-4.6	+2.9	-0.2	+5.2	-6.2	+1.6	-2.7	+9.6	-0.7	-2.7	-1.0	-3.5
As published. .	-6.8	+3.6	+0.8	+3.4	-5.1	+1.6	-3.6	+10.9	-1.2	-2.0	-0.4	-4.8
Nondurable goods. . . . .As revised. .	-0.7	-0.8	-1.8	+1.3	+1.6	-1.0	+1.2	-0.5	-	+1.1	-	-2.0
As published. .	-0.9	-1.0	-1.3	+0.8	+1.8	-0.3	+0.3	+0.2	-0.1	+1.2	+0.2	-2.3
<b>NEW ORDERS</b>												
All manufacturing . . . . .As revised. .	-1.7	-0.5	-3.9	+2.9	+2.1	-2.1	+6.7	-2.0	-2.5	+2.1	+0.1	-3.7
As published. .	-1.6	-0.6	-2.9	+2.1	+2.3	-1.2	+6.1	-2.0	-2.3	+1.9	+0.4	-3.7
Durable goods . . . . .As revised. .	-2.4	-0.3	-6.0	+4.5	+1.8	-2.2	+12.1	-3.6	-5.0	+3.2	+0.1	-5.3
As published. .	-2.0	-0.2	-4.6	+3.6	+2.0	-1.1	+11.7	-4.1	-4.3	+2.7	-0.6	-5.0
Primary metals. . . . .As revised. .	-7.4	-1.5	-3.9	+11.9	-2.4	+3.1	+6.9	-0.9	-4.7	-2.3	+0.1	-5.3
As published. .	-9.1	+2.8	-0.5	+7.9	-1.1	+3.9	+6.6	-1.5	-4.4	-3.0	+2.1	-7.9
Industrial machinery and equipment . . . . .As revised. .	+5.9	-8.7	+0.7	+0.4	+4.8	-5.0	+3.1	-1.5	+4.1	-4.8	+0.6	-2.9
As published. .	+6.3	-8.7	-0.1	+1.9	+3.5	-3.9	+1.9	-0.7	+3.0	-3.5	+1.1	-3.2
Electronic and other electrical machinery. . . . .As revised. .	-6.3	+10.4	-11.9	+9.8	-2.0	-9.4	+13.5	-5.8	+3.0	+1.9	+1.5	+2.9
As published. .	-4.3	+11.2	-13.4	+10.8	-2.5	-9.1	+13.2	-6.4	+3.3	+3.6	+1.2	+3.6
Transportation equipment . . . . .As revised. .	-8.0	-0.5	-8.5	-0.3	+3.9	+0.9	+28.3	-7.9	-17.5	+15.1	+2.4	-14.8
As published. .	-6.1	-0.3	-4.8	-3.1	+4.8	+3.6	+27.1	-9.2	-14.7	+11.2	+3.0	-13.7
Capital good industries:												
Nondefense . . . . .As revised. .	-11.9	-1.3	-4.4	-10.9	-2.2	+3.5	+26.9	-15.8	-2.4	+2.4	+12.3	-18.4
As published. .	-11.9	-0.6	-5.4	-10.0	-2.5	+4.4	+25.3	-15.5	-2.9	+3.4	+12.1	-17.1
Nondefense, excluding aircraft. . . . .As revised. .	+0.9	-3.7	-5.7	+2.7	+3.7	-5.1	+5.4	-2.0	+5.6	-3.3	-0.4	-2.1
As published. .	+0.4	-3.6	-6.8	+3.9	+2.9	-4.6	+4.8	-2.0	+4.9	-1.9	+0.1	-1.0
Defense. . . . .As revised. .	+5.2	+7.2	-23.9	+21.6	+23.9	-16.1	+11.3	+24.2	-53.8	+67.3	-41.5	+70.3
As published. .	+15.2	+3.1	-15.5	+16.4	+22.3	-13.1	+13.3	+15.2	-49.0	+50.6	-38.0	+89.4
Nondurable goods. . . . .As revised. .	-0.9	-0.7	-1.7	+1.3	+2.4	-2.0	+1.5	-0.3	-	+1.0	-	-2.0
As published. .	-1.1	-0.9	-1.1	+0.7	+2.6	-1.3	+0.6	+0.4	-0.1	+1.2	+0.2	-2.3
<b>UNFILLED ORDERS</b>												
All manufacturing . . . . .As revised. .	+0.1	+0.1	-0.5	-0.7	-0.3	-1.1	+1.4	+0.4	-1.0	-0.5	-0.5	-0.6
As published. .	-	-	-0.4	-0.7	-0.3	-1.0	+1.5	+0.2	-0.9	-0.6	-0.5	-0.4
Durable goods . . . . .As revised. .	+0.1	+0.1	-0.5	-0.7	-0.5	-1.1	+1.4	+0.3	-1.1	-0.5	-0.5	-0.6
As published. .	-	-	-0.5	-0.7	-0.5	-1.0	+1.5	+0.2	-1.0	-0.6	-0.5	-0.4
Primary metals. . . . .As revised. .	-5.1	-3.7	-3.2	-0.4	-1.2	+1.2	+3.7	+2.8	-0.4	-1.1	-0.6	-2.1
As published. .	-7.1	-3.9	-2.4	-0.7	-1.0	+1.8	+4.4	+2.7	-0.2	-1.2	-	-2.5
Industrial machinery and equipment . . . . .As revised. .	+1.3	-1.6	-1.3	-1.2	+0.6	-2.0	+0.1	-0.3	+1.0	-1.2	-1.3	-1.0
As published. .	+1.4	-1.7	-1.7	-1.1	-0.4	-1.8	-	-0.3	+0.6	-1.3	-1.4	-1.1
Electronic and other electrical machinery. . . . .As revised. .	-0.6	+3.0	-1.6	+1.3	-0.3	-3.6	+0.8	-1.4	-1.0	-0.2	-0.3	+0.9
As published. .	-0.7	+3.2	-1.7	+1.2	-0.6	-3.4	+0.5	-1.7	-1.1	+0.1	-0.5	+1.1
Transportation equipment . . . . .As revised. .	+0.7	+0.4	+0.2	-1.1	-0.9	-0.8	+1.7	+0.5	-1.9	-0.6	-	-0.4
As published. .	+0.6	+0.3	+0.4	-1.0	-0.9	-0.7	+1.9	+0.4	-1.6	-0.7	-	-0.2
Capital good industries:												
Nondefense . . . . .As revised. .	+1.0	+0.6	+0.3	-1.2	-1.6	-1.5	+2.0	-0.5	-0.9	-0.9	+0.6	-1.0
As published. .	+0.9	+0.6	+0.2	-1.2	-1.6	-1.4	+2.0	-0.5	-1.0	-0.9	+0.5	-0.9

See footnotes at end of table.



**Table B. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS MONTHLY PERCENT CHANGES: 1991—Continued**

(Based on seasonally adjusted data)

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>UNFILLED ORDERS—Con.</b>												
Durable goods—Con.												
Capital good industries:—Con.												
Nondefense, excluding aircraft.....As revised..	+0.8	-0.1	-2.1	-1.1	-0.4	-2.5	-0.1	-0.8	+0.4	-1.0	-1.2	-0.7
As published..	+0.6	-0.1	-2.3	-1.1	-0.6	-2.3	-0.2	-1.0	-	-1.1	-1.3	-0.4
Defense.....As revised..	-0.3	-0.1	-1.4	-0.8	+0.8	-0.3	+0.4	+1.3	-2.6	-0.1	-2.5	+0.1
As published..	-0.3	-0.4	-1.2	-0.7	+0.8	-0.2	+0.8	+1.1	-2.3	-0.4	-2.5	+1.0
Nondurable goods.....As revised..	-0.8	-0.4	+0.2	-0.2	+3.9	-1.2	-0.1	+1.3	+1.3	+0.8	+0.7	+0.6
As published..	-1.1	-1.0	+0.4	-0.4	+4.1	-1.3	+0.3	+1.2	+1.2	+0.8	+0.7	+0.5
<b>TOTAL INVENTORIES</b>												
All manufacturing.....As revised..	-	-0.1	-0.6	-0.1	-0.8	-0.4	-0.6	-0.2	+0.4	-0.3	-0.1	-0.6
As published..	-0.1	-	-0.6	-0.2	-0.8	-0.5	-0.5	-0.2	+0.4	-0.2	-0.1	-0.6
Durable goods.....As revised..	-0.2	-	-0.7	-0.3	-1.0	-0.5	-0.6	-0.4	+0.3	-0.6	-0.2	-0.9
As published..	-0.3	-	-0.7	-0.3	-1.0	-0.5	-0.5	-0.3	+0.3	-0.6	-0.2	-0.8
Primary metals.....As revised..	-0.5	-0.5	+0.3	-1.1	-1.6	-0.6	-1.2	-0.8	-0.6	-0.7	-0.9	-1.2
As published..	-1.7	-0.2	+0.2	-1.0	-1.7	-0.6	-1.3	-0.7	-0.5	-0.7	-0.9	-1.1
Industrial machinery and equipment.....As revised..	+0.2	+0.6	-0.6	-	-0.5	-1.5	-0.1	-0.5	-0.4	-0.3	-0.9	-1.7
As published..	+0.5	+0.5	-0.6	+0.2	-0.5	-1.8	+0.1	-0.5	-0.3	-0.3	-0.9	-1.5
Electronic and other electrical machinery.....As revised..	-0.5	-0.8	+0.1	+0.2	-0.8	-0.7	+0.1	-0.8	-0.3	-0.6	-0.3	-0.7
As published..	-0.4	-0.8	-0.1	-	-0.6	-0.6	+0.1	-0.7	-0.4	-0.5	-0.5	-0.8
Transportation equipment.....As revised..	+0.1	-	-0.5	-0.1	-1.1	-0.1	-0.8	-0.2	+1.6	-1.1	-0.3	-1.2
As published..	+0.1	+0.1	-0.6	-0.2	-1.2	-0.1	-0.6	-0.2	+1.4	-1.1	+0.4	-1.2
Capital good industries:												
Nondefense.....As revised..	+0.9	-	-	+0.2	-0.5	-0.9	-	-	-0.2	-0.7	-0.1	-0.6
As published..	+1.0	-0.3	-	+0.2	-0.5	-1.0	+0.1	+0.1	-0.3	-0.8	-0.2	-0.3
Nondefense, excluding aircraft.....As revised..	+0.1	+0.3	-0.8	+0.2	-0.5	-1.4	-0.1	-0.8	-0.5	-0.6	-0.3	-0.8
As published..	+0.2	+0.1	-0.6	+0.2	-0.4	-1.6	+0.1	-0.8	-0.5	-0.6	-0.4	-0.5
Defense.....As revised..	-2.5	+0.6	-1.1	+0.2	-1.3	-0.1	-1.1	-2.0	+2.0	-1.5	-1.2	-2.3
As published..	-2.3	+0.7	-1.1	+0.1	-1.2	-	-1.1	-1.9	+2.0	-1.6	-1.1	-2.4
Nondurable goods.....As revised..	+0.4	-0.2	-0.3	+0.1	-0.4	-0.2	-0.6	-	+0.6	+0.4	+0.2	-
As published..	+0.2	-	-0.5	-	-0.5	-0.4	-0.6	+0.2	+0.6	+0.5	+0.2	-0.1

- Represents no change.







Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
ALL MANUFACTURING INDUSTRIES, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	150 847	166 855	172 981	165 082	167 982	175 936	153 207	161 304	171 787	163 456	157 087	153 680	490 683	509 000	486 308	474 223	1 960 214
1983	149 062	161 943	171 703	165 896	170 187	183 810	160 372	173 542	187 919	184 217	181 082	180 831	482 708	519 893	521 833	546 130	2 070 564
1984	171 450	187 765	198 464	190 203	191 640	203 130	177 365	190 148	199 684	197 199	191 645	189 291	557 679	584 973	567 397	578 135	2 288 184
1985	176 276	193 111	204 651	193 372	196 902	205 842	178 682	192 608	204 581	200 523	196 558	191 352	574 038	596 116	575 868	588 433	2 334 456
1986	182 060	195 505	199 631	195 568	193 694	208 757	178 960	180 031	208 481	200 969	193 121	195 124	577 198	596 019	573 452	589 214	2 335 881
1987	179 551	203 118	212 872	202 720	203 307	218 598	191 134	202 048	223 370	217 786	211 458	209 948	595 541	624 825	618 550	639 180	2 475 906
1988	194 802	214 828	229 721	220 053	222 606	239 824	204 839	223 308	241 341	234 119	227 740	229 711	639 151	682 483	669 288	691 570	2 682 492
1989	214 865	232 315	242 318	235 056	235 599	247 706	207 440	233 010	246 540	238 131	231 678	228 033	689 498	718 361	686 990	687 842	2 792 891
1990	208 255	234 057	249 780	235 082	241 758	256 156	217 882	245 569	257 749	256 250	240 795	230 189	692 092	732 996	721 180	727 234	2 873 502
1991	211 232	228 132	234 516	232 163	237 831	249 871	216 452	238 300	254 174	250 716	241 483	226 829	673 880	719 865	708 926	719 028	2 821 898
Seasonally Adjusted—Millions of Dollars																	
1982	163 766	166 596	165 071	164 868	186 384	165 718	165 227	162 883	163 191	159 071	158 463	158 085	495 433	496 970	491 301	475 599	(X)
1983	162 460	161 841	163 820	165 835	188 458	172 840	173 070	175 334	178 455	179 489	182 771	188 666	488 221	507 131	528 858	549 126	(X)
1984	186 784	187 403	189 273	189 747	189 728	190 851	192 077	192 852	189 531	192 286	193 174	194 297	563 460	570 326	574 460	579 757	(X)
1985	192 473	192 600	194 893	192 672	195 395	193 393	193 749	195 436	193 539	195 105	197 608	195 221	580 066	581 660	582 724	587 934	(X)
1986	199 136	195 027	190 307	185 166	192 729	194 307	192 929	192 768	194 820	194 967	193 845	199 070	584 470	581 952	580 317	587 882	(X)
1987	196 981	202 938	203 110	202 719	202 414	205 288	208 531	204 196	210 425	210 900	212 224	214 345	603 029	610 421	623 152	637 469	(X)
1988	213 587	215 326	219 516	220 067	221 297	225 140	223 977	225 195	227 178	228 140	228 215	235 550	648 429	666 504	676 350	689 905	(X)
1989	235 884	233 491	232 027	235 121	233 868	232 585	226 715	234 212	231 981	229 470	231 897	233 203	701 402	701 584	692 908	694 570	(X)
1990	229 131	236 533	239 768	235 539	239 567	240 798	238 976	245 827	242 483	246 478	240 519	234 579	705 432	715 904	727 286	721 576	(X)
1991	232 505	231 250	225 473	233 029	235 653	234 907	237 616	237 844	238 836	240 912	240 980	232 730	689 228	703 589	714 296	714 622	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	1.2	1.7	-.9	-.1	.9	-.4	-.3	-1.4	.2	-2.5	-.4	-.3	.6	.3	-1.1	-3.2	(X)
1983	2.8	-.4	1.3	1.2	1.6	2.6	.1	1.3	1.8	.6	1.8	2.2	2.7	3.9	3.9	4.2	(X)
1984	-	.3	1.0	.3	-	.6	.6	.4	-1.7	1.5	.5	.6	2.6	1.2	.7	.9	(X)
1985	-.9	-1	1.2	-1.1	1.3	-1.0	.2	.9	-1.0	.8	1.3	-1.2	.1	.3	.2	.9	(X)
1986	2.0	-2.1	-2.4	2.6	-1.3	.7	-6	-1	1.0	.2	-6	2.7	-6	-4	-3	1.3	(X)
1987	-1.0	3.0	.1	-.2	-.2	1.4	1.6	-2.1	3.1	.2	.6	1.0	2.6	1.2	2.1	2.3	(X)
1988	-.4	.8	1.9	.3	.6	1.7	-.5	.5	.9	-.5	.9	3.2	1.7	2.8	1.5	2.0	(X)
1989	-1	-1.0	-.6	1.3	-.5	-.5	-2.5	3.3	-1.0	-1.1	1.1	.6	1.7	-	-1.2	.2	(X)
1990	-1.7	3.2	1.4	-1.8	1.7	.5	-.8	2.9	-1.4	1.6	-2.4	-2.5	1.6	1.5	1.6	-.8	(X)
1991	-.9	-.5	-2.5	3.4	1.1	-.3	1.2	.1	.4	.9	-	-3.4	-4.5	2.1	1.5	-	(X)
ALL MANUFACTURING INDUSTRIES WITH UNFILLED ORDERS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	77 834	87 561	91 836	85 978	86 964	90 376	77 217	81 983	87 821	83 382	80 790	80 226	257 231	263 318	247 021	244 398	1 011 968
1983	76 345	83 508	89 590	85 815	87 120	94 975	81 251	88 420	97 004	95 976	94 939	96 920	249 443	267 910	266 675	287 835	1 071 663
1984	89 354	99 097	105 025	99 733	101 219	108 501	92 653	100 749	107 197	105 828	103 242	103 648	293 476	309 453	300 599	312 718	1 216 246
1985	93 578	103 627	110 646	102 950	104 627	111 751	95 017	103 368	110 729	106 647	106 678	106 393	307 851	319 328	309 114	321 718	1 258 011
1986	96 073	106 659	110 876	106 304	105 483	115 267	96 794	104 259	114 457	111 634	108 305	111 108	313 608	327 054	315 510	331 047	1 287 219
1987	96 739	110 351	117 925	109 894	109 846	120 392	103 530	110 215	123 730	119 792	117 338	119 919	325 015	340 132	337 475	357 049	1 359 671
1988	106 086	118 874	128 647	120 572	122 016	133 246	111 371	123 188	136 142	129 774	127 240	130 978	353 607	375 834	370 701	387 992	1 488 134
1989	116 376	127 526	134 679	127 359	127 632	137 146	112 533	127 632	137 828	130 835	127 981	129 395	378 581	392 137	377 993	388 211	1 536 922
1990	113 333	128 505	138 288	127 412	130 765	140 871	117 210	130 930	138 672	134 940	128 715	128 713	380 126	399 048	386 812	392 368	1 558 354
1991	112 115	123 366	128 730	123 999	125 451	135 636	114 071	127 395	138 071	134 031	130 315	126 187	364 211	385 086	379 537	390 533	1 519 367
Seasonally Adjusted—Millions of Dollars																	
1982	85 114	86 683	86 585	85 575	86 424	85 091	84 868	83 622	83 542	80 993	81 266	81 261	258 382	257 090	252 032	243 520	(X)
1983	83 900	82 953	84 546	85 780	86 659	89 203	89 274	90 139	92 131	93 271	95 570	98 230	251 399	261 642	271 544	287 071	(X)
1984	98 174	98 535	99 154	99 797	100 946	101 652	101 874	102 894	101 515	103 016	103 647	103 756	295 863	302 395	306 283	310 419	(X)
1985	103 339	103 263	104 413	103 351	104 796	104 552	104 754	105 762	104 401	105 692	106 808	105 528	311 015	312 699	314 917	318 028	(X)
1986	106 590	106 488	104 734	107 012	106 000	107 810	107 030	106 467	107 442	108 396	108 016	109 717	317 812	320 822	320 939	326 129	(X)
1987	107 777	110 505	111 461	110 893	110 588	112 647	114 957	112 164	115 879	116 209	117 046	118 670	329 743	334 128	343 000	351 925	(X)
1988	118 342	119 357	121 720	121 774	122 690	124 516	124 036	125 000	127 209	125 709	126 792	129 902	359 419	368 980	376 245	382 403	(X)
1989	129 706	128 468	127 616	128 718	128 202	128 053	125 186	128 931	128 677	126 451	127 437	127 826	385 790	384 973	382 794	381 714	(X)
1990	126 734	130 022	131 392	128 924	131 142	131 650	130 701	131 872	129 373	130 429	128 007	126 642	388 148	391 716	391 946	385 078	(X)
1991	125 594	125 199	122 359	125 671	125 855	126 608	127 584	128 152	128 808	129 612	129 644	124 793	373 152	378 134	384 544	384 049	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	.8	1.8	-.1	-1.2	1.0	-1.5	-.3	-1.5	-.1	-3.1	.3	-	.1	-.5	-2.0	-3.4	(X)
1983	3.2	-1.1	1.9	1.5	1.0	2.9	.1	1.0	2.2	1.2	2.5	2.8	3.2	4.1	3.8	5.7	(X)
1984	-.1	.4	.6	.6	1.2	.7	.2	1.0	-1.3	1.5	.6	.1	3.1	2.2	1.3	1.4	(X)
1985	-.4	-1	1.1	-1.0	1.4	-.2	.2	1.0	-1.3	1.2	1.1	-1.2	.2	.5	.7	1.0	(X)
1986	1.0	-.1	-1.6	2.2	-.9	1.7	-.7	-.5	.9	.9	-.4	1.6	-.1	.9	-	1.6	(X)
1987	-1.8	2.5	.9	-.5	-.3	1.9	2.1	-2.4	3.3	.3	.7	1.4	1.1	1.3	2.7	2.6	(X)
1988	-.3	.9	2.0	.9	-.4	1.5	-.4	.8	1.8	-1.2	.9	2.5	2.1	2.7	2.0	1.6	(X)
1989	-.2	-1.0	-.7	-.7	-.8	-1	-2.2	3.0	-.2	-1.7	.8	.3</					



## 2 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
DURABLE GOODS INDUSTRIES, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	71 579	81 567	86 921	82 335	83 440	87 294	72 913	76 226	82 402	78 156	74 362	73 346	240 067	253 069	231 541	225 864	950 541
1983 ---	71 344	79 365	85 707	82 619	84 388	92 524	77 215	83 483	93 373	92 601	91 074	92 077	236 416	259 531	254 071	275 752	1 025 770
1984 ---	86 214	96 626	102 906	97 733	98 681	106 094	88 389	96 097	102 100	102 652	99 650	98 134	285 746	302 508	286 586	300 436	1 175 276
1985 ---	90 128	100 217	107 845	100 994	102 878	108 998	90 408	98 739	107 171	105 790	102 471	99 713	298 190	312 870	296 318	307 974	1 215 352
1986 ---	93 653	103 511	107 494	105 780	103 523	112 085	92 176	97 963	108 973	107 461	101 572	104 668	304 658	321 388	299 112	313 701	1 238 859
1987 ---	92 584	107 758	114 732	107 157	106 758	115 910	96 081	102 410	117 006	114 687	110 785	111 664	315 074	329 825	315 497	337 136	1 297 532
1988 ---	99 670	113 452	123 729	116 729	118 621	128 901	103 422	114 781	128 267	124 590	120 292	123 456	336 851	364 251	346 470	368 338	1 415 910
1989 ---	111 552	122 625	129 531	123 647	123 685	131 096	102 458	120 586	130 023	123 845	120 627	120 756	363 708	378 428	353 067	365 228	1 460 431
1990 ---	102 687	121 890	132 638	121 690	127 140	136 540	108 299	123 412	130 312	129 057	118 386	116 593	357 215	385 370	362 023	364 036	1 468 644
1991 ---	102 060	113 947	118 489	117 770	120 778	129 250	105 131	119 037	130 137	127 915	122 547	115 517	334 496	367 798	354 305	365 979	1 422 578
Seasonally Adjusted—Millions of Dollars																	
1982 ---	79 044	81 007	81 193	80 823	81 766	80 874	80 896	79 000	78 542	75 770	75 359	75 682	241 244	243 463	238 438	226 811	(X)
1983 ---	79 168	79 029	80 084	81 253	82 564	85 439	85 730	86 534	89 021	89 814	92 183	95 651	238 281	249 256	261 285	277 648	(X)
1984 ---	95 323	95 995	96 167	96 054	96 702	97 821	98 518	99 848	97 126	99 770	100 638	100 707	287 485	290 577	295 492	301 115	(X)
1985 ---	100 129	99 480	100 670	99 573	101 136	100 497	101 076	102 756	101 629	102 707	103 209	101 282	300 279	301 206	305 461	307 198	(X)
1986 ---	104 414	102 760	100 476	104 458	102 051	103 374	103 630	101 808	102 827	103 984	102 026	106 031	307 550	309 883	308 265	312 041	(X)
1987 ---	103 770	107 164	107 298	106 173	105 317	106 913	108 471	105 857	110 109	110 714	111 353	113 066	318 232	318 403	324 437	335 133	(X)
1988 ---	112 031	113 336	115 900	115 861	116 819	118 792	117 384	118 251	120 335	119 914	120 694	125 569	341 267	351 472	355 970	366 177	(X)
1989 ---	125 307	122 806	121 597	122 850	121 573	120 607	116 145	123 598	121 908	118 916	121 115	122 173	369 710	365 030	361 651	362 204	(X)
1990 ---	116 103	122 820	124 878	121 172	124 606	125 742	123 503	125 891	122 105	123 801	118 710	116 854	363 801	371 520	371 499	359 365	(X)
1991 ---	115 648	115 283	111 617	117 640	118 439	118 904	120 222	121 021	121 958	122 771	122 814	116 869	342 548	354 983	363 201	362 454	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-3	2.5	2	-5	1.2	-1.1	-	-2.3	-6	-3.5	-5	4	-7	9	-2.1	-4.9	(X)
1983 ---	4.6	-2	1.3	1.5	1.6	3.5	3	9	2.9	9	2.6	3.8	5.1	4.6	4.8	6.3	(X)
1984 ---	-3	7	2	-1	7	1.2	7	1.4	-2.7	2.7	9	1	3.5	1.1	1.7	1.9	(X)
1985 ---	-6	-6	1.2	-1.1	1.6	-6	6	1.7	-1.1	1.1	5	-1.9	-3	3	1.4	6	(X)
1986 ---	3.1	-1.6	-2.2	4.0	-2.3	1.3	2	-1.8	1.0	1.1	-1.9	3.9	1	7	-5	1.2	(X)
1987 ---	-2.1	3.3	1	-1.0	-8	1.5	1.5	-2.4	4.0	5	6	1.5	2.0	1	1.9	3.3	(X)
1988 ---	-9	1.2	2.3	-	8	1.7	-1.2	7	1.8	-3	7	4.0	1.8	3.0	1.3	2.9	(X)
1989 ---	-2	-2.0	-1.0	1.0	-1.0	-8	-3.7	6.4	-1.4	-2.5	1.8	9	1.0	-1.3	-9	2	(X)
1990 ---	-5.0	5.8	1.7	-3.0	2.8	9	-1.8	1.9	-3.0	1.4	-4.1	-1.6	4	2.1	-	-3.3	(X)
1991 ---	-1.0	-3	-3.2	5.4	7	4	1.1	7	8	7	-	-4.8	-4.7	3.6	2.3	-2	(X)
DURABLE GOODS WITH UNFILLED ORDERS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	61 339	69 594	73 491	68 582	69 413	72 644	60 905	64 054	69 332	65 019	62 920	63 004	204 424	210 639	194 291	190 943	800 297
1983 ---	59 120	65 335	70 708	67 221	68 382	75 430	63 302	68 581	76 629	75 017	74 540	76 943	195 163	211 033	208 512	226 500	841 208
1984 ---	69 921	78 224	83 462	78 711	80 048	86 443	72 627	78 869	84 495	83 456	81 736	82 538	231 607	245 202	235 991	247 730	960 530
1985 ---	73 299	81 957	87 996	81 686	82 853	89 271	74 835	81 194	87 413	85 945	84 171	84 541	243 252	253 810	243 442	254 657	995 161
1986 ---	74 831	84 149	87 720	84 028	83 340	91 244	75 627	80 332	89 390	86 700	84 216	87 350	246 700	258 612	245 349	258 266	1 008 927
1987 ---	74 177	85 775	92 792	85 573	85 484	94 327	79 462	84 350	96 678	92 459	90 928	94 142	252 744	265 384	260 490	277 529	1 056 147
1988 ---	81 122	92 516	101 433	93 673	95 502	105 371	85 958	95 073	106 959	101 011	98 921	102 926	275 071	294 546	287 990	302 858	1 160 465
1989 ---	89 610	98 835	105 999	98 848	99 436	107 721	85 926	98 325	107 549	100 651	98 455	102 135	294 444	306 005	291 600	301 241	1 193 490
1990 ---	86 086	99 389	108 477	98 254	102 001	111 052	90 059	100 843	107 933	104 455	99 034	101 026	293 952	311 307	298 835	304 515	1 208 609
1991 ---	85 429	95 118	100 291	96 235	97 967	107 029	87 376	98 170	107 999	103 744	101 113	98 716	280 838	301 231	293 545	303 573	1 179 187
Seasonally Adjusted—Millions of Dollars																	
1982 ---	67 696	68 901	68 814	68 069	68 793	67 662	67 322	65 968	65 928	63 378	63 456	63 482	205 411	204 524	199 218	190 316	(X)
1983 ---	65 682	64 940	66 235	67 027	67 792	70 054	69 922	70 618	72 774	73 143	75 227	77 710	196 857	204 873	213 314	226 080	(X)
1984 ---	77 565	77 799	78 229	78 548	79 565	80 108	80 332	81 361	79 962	81 563	82 252	82 209	233 593	238 221	241 655	246 024	(X)
1985 ---	81 853	81 656	82 297	81 829	82 702	82 617	83 063	83 951	82 325	83 976	84 460	83 313	245 806	247 148	249 339	251 749	(X)
1986 ---	84 036	83 984	82 050	84 451	83 455	84 395	84 251	82 922	83 708	84 564	84 179	85 572	250 070	252 301	250 881	254 315	(X)
1987 ---	83 797	85 891	86 809	86 288	85 732	87 231	89 042	86 799	90 288	90 115	90 962	92 406	256 497	259 251	266 129	273 483	(X)
1988 ---	91 814	92 960	94 977	94 610	95 619	97 338	96 711	97 482	99 556	98 283	98 902	101 135	279 751	287 567	293 749	298 320	(X)
1989 ---	101 262	99 698	99 399	99 974	99 419	99 318	96 601	100 340	99 976	97 721	98 438	99 828	300 359	298 711	296 917	295 887	(X)
1990 ---	97 710	100 807	102 020	99 525	101 758	102 466	101 533	102 561	100 239	101 468	98 929	98 137	300 537	303 769	304 333	298 534	(X)
1991 ---	97 167	96 823	94 299	97 698	97 781	98 647	98 852	99 722	100 340	100 872	101 080	96 459	288 289	294 126	298 914	298 411	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	8	1.8	-1	-1.1	1.1	-1.6	-5	-2.0	-1	-3.9	1	-	-3	-4	-2.6	-4.5	(X)
1983 ---	3.5	-1.1	2.0	1.2	1.1	3.3	-2	1.0	3.1	5	2.8	3.3	3.4	4.1	4.1	6.0	(X)
1984 ---	-2	3	6	4	1.3	7	3	1.3	-1.7	2.0	8	-1	3.3	2.0	1.4	1.8	(X)
1985 ---	-4	-2	8	-6	1.1	-1	5	1.1	-1.9	2.0	6	-1.4	-1	5	9	1.0	(X)
1986 ---	9	-1	-2.3	2.9	-1.2	1.1	-2	-1.6	9	1.0	-5	1.7	-7	9	-6	1.4	(X)
1987 ---	-2.1	2.5	1.1	-6	-6	1.7	2.1	-2.5	4.0	-2	9	1.6	9	1.1	2.7	2.8	(X)
1988 ---	-6	1.2	2.2	-4	1.1	1.8	-6	8	2.1	-1.3	6	2.3	2.3	2.8	2.1	1.6	(X)
1989 ---	1	-1.5	-3	6	-6	-1	-2.7	3.9	-4	-2.3	7	1.4	7	-5	-6	-3	(X)
1990 ---	-2.1	3.2	1.2	-2.4	2.2	7	-9	1.0	-2.3	1.2	-2.5	-8	1.5	1.1	2	-1.9	(X)
1991 ---	-1.0	-4	-2.6														



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Merch	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
STONE, CLAY, AND GLASS PRODUCTS, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 135	3 403	3 725	3 646	3 825	3 974	3 567	3 787	3 919	3 870	3 506	3 158	10 263	11 445	11 273	10 534	43 515
1983 ---	3 339	3 466	3 752	3 883	3 989	4 375	3 855	4 330	4 524	4 443	4 120	3 621	10 557	12 247	12 709	12 184	47 697
1984 ---	3 624	4 177	4 370	4 436	4 507	4 780	4 358	4 780	4 793	4 811	4 457	4 008	12 171	13 723	13 931	13 276	53 101
1985 ---	3 835	4 241	4 602	4 823	4 810	5 124	4 619	4 957	5 116	4 917	4 650	4 127	12 678	14 757	14 692	13 694	55 821
1986 ---	4 392	4 551	4 936	5 180	5 144	5 410	4 792	5 114	5 388	5 232	4 864	4 251	13 879	15 734	15 294	14 347	59 254
1987 ---	4 386	4 884	5 231	5 311	5 206	5 349	4 917	5 046	5 513	5 958	5 143	4 533	14 501	15 866	15 476	15 634	61 477
1988 ---	4 407	4 844	5 251	5 383	5 416	5 664	4 965	5 557	5 770	5 666	5 413	4 722	14 502	16 463	16 292	15 801	63 058
1989 ---	4 744	4 959	5 124	5 598	5 425	5 793	4 942	5 581	5 638	5 797	5 322	4 633	14 827	16 816	16 161	15 752	63 556
1990 ---	4 714	5 133	5 437	5 505	5 556	5 853	5 126	5 648	5 611	5 610	5 075	4 200	15 284	16 914	16 385	14 885	63 468
1991 ---	4 095	4 336	4 450	4 798	4 843	5 239	4 822	5 198	5 292	5 220	4 798	4 012	12 881	14 880	15 312	14 030	57 103
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 637	3 637	3 684	3 589	3 706	3 628	3 630	3 569	3 618	3 620	3 574	3 648	10 958	10 923	10 817	10 842	(X)
1983 ---	3 877	3 703	3 713	3 797	3 855	3 989	3 922	4 084	4 169	4 166	4 205	4 198	11 293	11 641	12 175	12 569	(X)
1984 ---	4 216	4 462	4 326	4 305	4 351	4 357	4 449	4 520	4 423	4 515	4 549	4 656	13 004	13 013	13 392	13 720	(X)
1985 ---	4 459	4 517	4 547	4 655	4 639	4 686	4 736	4 703	4 724	4 620	4 731	4 785	13 523	13 980	14 163	14 136	(X)
1986 ---	5 097	4 842	4 872	4 974	4 972	4 965	4 946	4 863	4 982	4 909	4 924	4 912	14 811	14 911	14 791	14 745	(X)
1987 ---	5 072	5 194	5 162	5 100	5 039	4 924	5 111	4 802	5 103	5 565	5 173	5 228	15 428	15 063	15 016	15 966	(X)
1988 ---	5 081	5 162	5 193	5 186	5 257	5 214	5 186	5 271	5 338	5 261	5 417	5 454	15 436	15 657	15 795	16 132	(X)
1989 ---	5 467	5 294	5 083	5 424	5 276	5 326	5 180	5 267	5 211	5 357	5 298	5 366	15 844	16 026	15 658	16 021	(X)
1990 ---	5 431	5 500	5 415	5 354	5 411	5 370	5 376	5 304	5 183	5 165	5 044	4 886	16 346	16 135	15 863	15 095	(X)
1991 ---	4 724	4 654	4 445	4 674	4 717	4 796	5 056	4 871	4 889	4 801	4 771	4 684	13 823	14 187	14 816	14 256	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.7	-	1.3	-2.6	3.3	-2.1	1	-1.7	1.4	-1	-1.3	2.1	.5	-3	-1.0	.2	(X)
1983 ---	6.3	-4.5	.3	2.3	1.5	3.5	-1.7	4.1	2.1	-1	9	-2	4.2	3.1	4.6	3.2	(X)
1984 ---	.4	5.8	-3.0	-5	1.1	1	2.1	1.6	-2.1	2.1	8	2.4	3.5	.1	2.9	2.4	(X)
1985 ---	-4.2	1.3	.7	2.4	-3	1.0	1.1	-7	4	-2.2	2.4	1.1	-1.4	3.4	1.3	-2	(X)
1986 ---	6.5	-5.0	.6	2.1	-	-1	-4	-1.7	2.4	-1.5	3	-2	4.8	.7	-8	-3	(X)
1987 ---	3.3	2.4	-6	-1.2	-2.3	3.8	-6.0	6.3	9.1	-7.0	1.1	4.6	-2.4	-3	6.3	(X)	(X)
1988 ---	-2.8	1.6	.6	-1	1.4	-8	-5	1.6	1.3	-1.4	3.0	7	-3.3	1.4	9	2.1	(X)
1989 ---	.2	-3.2	-4.0	6.7	-2.7	9	-2.7	1.7	-1.1	2.8	-1.1	1.3	-1.8	1.1	-2.3	2.3	(X)
1990 ---	1.2	1.3	-1.5	-1.1	1.1	-8	1	-1.3	-2.3	-3	-2.3	-3.1	2.0	-1.3	-1.7	-4.8	(X)
1991 ---	-3.3	-1.5	-4.5	5.2	.9	1.7	5.4	-3.7	4	-1.8	-6	-1.8	-8.4	2.6	4.4	-3.8	(X)
PRIMARY METAL INDUSTRIES, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 104	10 477	10 170	9 839	9 303	9 204	7 577	8 080	8 280	7 740	7 062	7 038	30 751	28 346	23 937	21 840	104 874
1983 ---	7 804	8 284	8 952	8 973	9 160	9 523	8 404	8 996	9 616	9 843	9 658	10 027	25 040	27 656	27 016	29 528	109 240
1984 ---	9 702	10 585	11 150	10 709	10 473	11 052	9 309	10 026	9 654	9 976	9 266	8 413	31 437	32 234	28 989	27 655	120 315
1985 ---	9 045	9 647	9 819	9 887	9 789	9 986	8 663	9 497	9 401	9 270	8 940	8 321	28 511	29 662	27 561	26 531	112 265
1986 ---	8 903	9 566	9 773	9 700	9 397	9 446	8 038	8 576	9 044	9 075	8 344	8 003	28 242	28 543	25 658	25 422	107 865
1987 ---	8 150	9 314	9 616	9 652	9 738	10 369	9 393	9 999	10 834	11 015	11 085	11 083	27 080	29 759	30 226	33 183	120 248
1988 ---	10 705	11 617	12 609	12 308	12 576	13 530	11 293	12 599	13 257	13 297	12 959	12 328	34 931	38 414	37 149	38 584	149 078
1989 ---	12 824	13 548	13 763	13 551	13 236	13 588	11 604	12 679	12 844	12 747	11 881	10 703	40 135	40 375	37 127	35 331	152 968
1990 ---	11 455	12 135	12 722	12 432	12 459	12 868	11 557	12 519	12 555	12 964	11 675	10 661	36 362	37 759	36 631	35 300	146 052
1991 ---	10 879	10 900	10 755	11 143	10 983	11 098	10 003	11 030	11 429	11 516	10 685	9 548	32 534	33 224	32 462	31 749	129 969
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 377	10 059	9 460	9 384	9 001	8 723	8 343	8 227	8 181	7 681	7 409	7 708	29 896	27 108	24 751	22 798	(X)
1983 ---	8 037	8 000	8 365	8 555	8 856	8 982	9 208	9 101	9 508	9 760	10 125	11 035	24 402	26 393	27 817	30 920	(X)
1984 ---	10 045	10 262	10 449	10 216	10 112	10 387	10 156	10 102	9 563	9 864	9 681	9 278	30 756	30 715	29 821	28 823	(X)
1985 ---	9 425	9 368	9 215	9 452	9 464	9 389	9 437	9 558	9 289	9 122	9 294	9 139	28 008	28 305	28 284	27 555	(X)
1986 ---	9 335	9 298	9 210	9 311	9 111	8 904	8 753	8 600	8 884	8 890	8 608	8 784	27 843	27 326	26 337	26 282	(X)
1987 ---	8 579	9 076	9 100	9 313	9 474	9 806	10 224	10 005	10 584	10 722	11 392	12 131	26 755	28 593	30 813	34 245	(X)
1988 ---	11 266	11 383	11 999	11 925	12 274	12 851	12 258	12 546	12 878	12 859	13 228	13 534	34 648	37 050	37 682	39 621	(X)
1989 ---	13 496	13 364	13 142	13 199	12 962	12 938	12 567	12 574	12 429	12 232	12 087	11 794	40 002	39 099	37 570	36 113	(X)
1990 ---	12 034	12 051	12 257	12 128	12 215	12 267	12 497	12 358	12 126	12 372	11 853	11 803	36 342	36 610	36 981	36 028	(X)
1991 ---	11 411	10 871	10 349	10 879	10 775	10 588	10 806	10 865	11 030	10 948	10 845	10 620	32 631	32 242	32 701	32 413	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.8	-3.1	-6.0	-8	-4.1	-3.1	-4.4	-1.4	-6	-6.1	-3.5	4.0	-8.4	-9.3	-8.7	-7.9	(X)
1983 ---	4.3	-5	4.6	2.3	3.5	1.4	2.5	-1.2	4.5	2.7	3.7	9.0	7.0	8.2	5.4	11.2	(X)
1984 ---	-9.0	2.2	1.8	-2.2	-1.0	2.7	-2.2	-5	-5.3	3.1	-1.9	-4.2	-5	-1	-2.9	-3.3	(X)
1985 ---	1.6	-6	-1.6	2.6	.1	-8	.5	1.3	-2.8	1.8	1.9	-1.7	-2.8	1.1	-1	-2.6	(X)
1986 ---	2.1	-4	-9	1.1	-2.1	-2.3	-1.7	-1.7	3.3	1	-3.2	2.0	1.0	-1.9	-4.0	.2	(X)
1987 ---	-2.3	5.8	.3	2.3	1.7	3.5	4.3	-2.1	5.8	1.3	6.2	6.5	1.8	6.9	7.8	11.1	(X)
1988 ---	-7.1	1.0	5.4	-6	2.9	4.7	-4.6	2.3	2.6	-1	2.9	2.3	1.2	6.9	1.7	5.1	(X)
1989 ---	-3	-1.0	-1.7	4	-1.8	-2	-2.9	1	-1.2	-1.6	-1.2	-2.4	1.0	-2.3	-3.9	-3.9	(X)
1990 ---	2.0	.1	1.7	-1.1	.7	4	1.9	-1.1	-1.9	2.0	-4.2	-4	6	7	1.0	-2.6	(X)
1991 ---	-3.3	-4.7	-4.8	5.1	-1.0	-1.7	2.1	5	1.5	-7	-9	-2.1	-9.4	-1.2	1.4	-9	(X)

See footnotes at end of table



4 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
BLAST FURNACES, STEEL MILLS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	4 964	5 133	4 885	4 488	4 062	4 133	3 304	3 441	3 527	3 098	2 825	2 968	14 982	12 683	10 272	8 991	46 828
1983	3 280	3 444	3 855	3 811	3 785	4 075	3 547	3 863	4 064	4 176	4 191	4 307	10 579	11 671	11 474	12 674	48 388
1984	4 179	4 622	4 798	4 873	4 635	4 875	4 097	4 262	4 135	4 238	3 891	3 573	13 599	14 183	12 494	11 702	51 978
1985	3 963	4 192	4 306	4 316	4 249	4 408	3 731	4 098	4 102	3 982	3 845	3 734	12 481	12 973	11 929	11 541	48 904
1986	3 933	4 176	4 150	4 137	4 018	4 113	3 811	3 474	3 854	3 712	3 394	3 348	12 259	12 288	10 739	10 454	45 718
1987	3 476	3 908	4 009	4 102	4 253	4 532	4 080	4 402	4 597	4 844	4 878	4 738	11 393	12 887	13 079	14 458	51 815
1988	4 789	5 252	5 555	5 550	5 520	5 801	4 918	5 271	5 491	5 545	5 241	5 145	15 578	18 871	15 880	15 931	64 058
1989	5 448	5 578	5 788	5 804	5 882	5 843	4 891	5 238	5 314	5 385	5 004	4 573	18 792	17 129	15 441	14 982	64 324
1990	4 913	5 126	5 501	5 324	5 379	5 555	4 882	5 239	5 221	5 538	5 011	4 432	15 540	18 258	15 342	14 981	82 121
1991	4 778	4 556	4 341	4 597	4 858	4 708	4 221	4 858	4 829	4 909	4 508	4 117	13 875	13 961	13 708	13 532	54 878
Seasonally Adjusted—Millions of Dollars																	
1982	5 023	4 908	4 510	4 254	3 980	3 886	3 620	3 553	3 564	3 129	3 079	3 198	14 441	12 120	10 737	9 408	(X)
1983	3 318	3 304	3 574	3 618	3 889	3 795	3 882	3 957	4 113	4 210	4 431	4 888	10 198	11 100	11 852	13 307	(X)
1984	4 248	4 452	4 473	4 437	4 491	4 518	4 469	4 345	4 188	4 254	4 123	3 879	13 171	13 444	13 000	12 258	(X)
1985	4 050	4 048	4 040	4 101	4 103	4 077	4 059	4 173	4 144	3 948	4 072	4 045	12 139	12 281	12 378	12 085	(X)
1986	4 041	4 050	3 920	3 934	3 887	3 818	3 924	3 537	3 675	3 871	3 577	3 827	12 011	11 817	11 138	10 875	(X)
1987	3 582	3 808	3 807	3 913	4 096	4 222	4 431	4 473	4 598	4 752	5 105	5 137	11 197	12 231	13 500	14 894	(X)
1988	4 916	5 181	5 289	5 318	5 322	5 439	5 331	5 335	5 480	5 398	5 439	5 810	15 368	16 079	18 126	18 447	(X)
1989	5 608	5 535	5 491	5 593	5 489	5 314	5 292	5 277	5 264	5 201	5 158	5 020	16 834	18 396	15 933	15 377	(X)
1990	5 044	5 130	5 244	5 149	5 200	5 255	5 277	5 252	5 158	5 318	5 139	4 901	15 418	15 804	15 687	15 357	(X)
1991	4 898	4 583	4 142	4 452	4 504	4 481	4 582	4 857	4 764	4 899	4 608	4 573	13 623	13 417	13 983	13 881	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	.7	-2.3	-8.1	-5.7	-6.4	-2.4	-6.8	-1.9	.3	-12.2	-1.6	3.9	-10.4	-16.1	-11.4	-12.4	(X)
1983	3.8	-4	8.2	1.2	2.0	2.9	2.3	1.9	3.9	2.4	5.2	5.3	8.4	8.9	7.7	11.3	(X)
1984	-9.0	4.9	.5	-8	1.2	.6	-1.0	-2.8	-3.7	1.6	-3.1	-5.9	-1.0	2.1	-3.3	-5.7	(X)
1985	4.4	-	-2	1.5	-	-6	-4	2.8	-7	-4.7	3.1	-7	-1.0	1.2	.8	-2.5	(X)
1986	-1	.2	-3.2	.4	-1.7	-1.3	2.8	-9.9	3.9	-1	-2.6	1.4	-4	-3.3	-4.1	-2.3	(X)
1987	-1.2	6.3	-	2.8	4.7	3.1	5.0	.9	2.7	3.4	7.4	6	3.0	9.2	10.4	11.1	(X)
1988	-4.3	5.0	2.5	.5	.1	2.2	-2.0	.1	2.3	-1.1	.8	3.1	2.5	4.6	.3	2.0	(X)
1989	-	-1.3	-8	1.9	-1.9	-3.2	-4	-3	-2	-1.2	-9	-2.6	1.1	-1.4	-3.4	-2.9	(X)
1990	.5	1.7	2.2	-1.8	1.0	1.1	.4	-5	-1.8	3.1	-3.4	-4.6	.3	1.2	.5	-2.1	(X)
1991	-1	-6.4	-9.6	7.5	1.2	-1.0	2.3	2.1	2.3	-1.4	-1.9	-8	-11.3	-1.5	4.2	-7	(X)
IRON AND STEEL FOUNDRIES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	873	936	978	928	942	920	713	793	714	709	615	520	2 787	2 790	2 220	1 844	9 641
1983	626	667	681	793	829	852	689	795	846	896	889	775	1 974	2 474	2 330	2 560	9 338
1984	910	968	996	976	1 003	1 038	839	1 040	963	1 003	936	758	2 874	3 017	2 842	2 697	11 430
1985	864	928	963	955	989	960	808	898	872	948	910	693	2 755	2 904	2 578	2 551	10 788
1986	857	908	861	972	899	935	750	828	811	929	865	719	2 626	2 806	2 389	2 513	10 334
1987	784	892	915	890	871	930	786	930	906	1 001	935	788	2 591	2 691	2 622	2 724	10 628
1988	808	962	1 020	999	1 100	1 079	838	1 042	1 109	1 115	1 071	923	2 790	3 178	2 989	3 109	12 066
1989	1 002	1 091	1 060	1 110	1 125	1 097	828	1 045	1 092	1 085	961	784	3 153	3 332	2 965	2 830	12 800
1990	867	964	1 043	1 070	1 112	1 127	934	1 088	1 080	1 120	971	689	2 874	3 309	3 102	2 780	12 065
1991	840	900	894	966	994	997	820	927	981	1 034	907	692	2 634	2 957	2 728	2 633	10 952
Seasonally Adjusted—Millions of Dollars																	
1982	917	909	905	878	865	849	824	808	715	684	623	617	2 731	2 592	2 347	1 924	(X)
1983	657	651	635	753	763	782	787	604	850	859	894	931	1 943	2 298	2 441	2 684	(X)
1984	957	948	934	932	926	952	950	1 046	972	952	935	912	2 839	2 810	2 968	2 799	(X)
1985	913	908	907	917	918	885	916	900	878	889	903	830	2 728	2 720	2 694	2 622	(X)
1986	913	887	817	937	836	869	854	822	810	863	856	859	2 617	2 642	2 486	2 578	(X)
1987	846	875	874	860	810	866	898	915	893	921	927	942	2 595	2 536	2 706	2 790	(X)
1988	883	951	985	963	1 020	1 005	958	1 016	1 076	1 019	1 068	1 109	2 819	2 988	3 050	3 196	(X)
1989	1 107	1 089	1 034	1 068	1 039	1 018	945	1 014	1 042	987	967	949	3 230	3 125	3 001	2 903	(X)
1990	965	970	1 028	1 024	1 023	1 043	1 062	1 051	1 020	1 015	984	841	2 963	3 090	3 133	2 840	(X)
1991	938	910	886	921	913	920	930	895	923	935	922	849	2 734	2 754	2 748	2 706	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	5.5	-9	-4	-3.0	-1.5	-1.8	-2.9	-1.9	-11.5	-4.3	-8.9	-1.0	-4.7	-5.1	-9.5	-18.0	(X)
1983	6.5	-9	-2.5	18.6	1.3	2.5	.6	2.2	5.7	1.1	4.1	4.1	1.0	18.3	6.2	10.0	(X)
1984	2.8	-9	-1.5	-2	-6	2.8	-2	10.1	-7.1	-2.1	-1.8	-2.5	5.8	-1.0	5.6	-5.7	(X)
1985	.1	-5	-1	1.1	.1	-3.6	3.5	-1.7	-2.4	1.3	1.6	-8.1	-2.5	.3	-1.0	-2.7	(X)
1986	10.0	-2.8	-7.9	14.7	-10.8	3.9	-1.7	-3.7	-1.5	6.5	-8	4	-2	1.0	-5.9	3.7	(X)
1987	-1.5	3.4	-1	-1.6	-5.8	6.9	3.7	1.9	-2.4	3.1	.7	1.6	.7	-2.3	6.7	3.1	(X)
1988	-6.3	7.7	3.6	-2.2	5.9	-1.5	-4.7	6.1	5.9	-5.3	4.8	3.8	1.0	6.0	2.1	4.8	(X)
1989	-2	-1.6	-5.1	3.3	-2.7	-2.0	-7.2	7.3	2.8	-5.3	-2.0	-1.9	1.1	-3.3	-4.0	-3.3	(X)
1990	1.7	.5	6.0	-4	-1	2.0	1.8	-1.0	-2.9	-5	-3.1	-14.5	2.1	4.3	1.4	-9.4	(X)
1991	11.5	-3.0	-2.6	4.0	-9	.8	1.1	-3.8	3.1	1.3	-1.4	-7.9	-3.7	.7	-2	-1.5	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
NONFERROUS AND OTHER PRIMARY METALS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	4 267	4 408	4 307	4 423	4 299	4 151	3 560	3 846	4 039	3 933	3 522	3 550	12 982	12 873	11 445	11 005	48 305
1983	3 898	4 173	4 416	4 369	4 546	4 596	4 168	4 338	4 706	4 771	4 578	4 945	12 487	13 511	13 212	14 294	53 504
1984	4 613	4 995	5 356	5 060	4 835	5 139	4 373	4 724	4 556	4 735	4 439	4 082	14 964	15 034	13 653	13 256	56 907
1985	4 218	4 527	4 550	4 616	4 551	4 618	4 124	4 503	4 427	4 360	4 185	3 894	13 295	13 785	13 054	12 439	52 573
1986	4 113	4 482	4 762	4 591	4 482	4 398	3 677	4 274	4 579	4 434	4 085	3 936	13 357	13 471	12 530	12 455	51 813
1987	3 890	4 514	4 692	4 660	4 614	4 907	4 527	4 667	5 331	5 170	5 274	5 559	13 096	14 181	14 525	16 003	57 805
1988	5 128	5 403	6 034	5 759	5 956	6 650	5 537	6 286	6 657	6 637	6 647	6 260	16 565	18 365	18 480	19 544	72 954
1989	6 374	6 879	6 937	6 637	6 429	6 848	5 885	6 398	6 438	6 277	5 916	5 346	20 190	19 914	18 721	17 539	76 364
1990	5 675	6 045	6 228	6 038	5 968	6 186	5 741	6 192	6 254	6 306	5 693	5 540	17 948	18 192	18 187	17 539	71 866
1991	5 261	5 444	5 520	5 580	5 331	5 395	4 962	5 445	5 619	5 573	5 272	4 739	16 225	16 306	16 026	15 584	64 141
Seasonally Adjusted—Millions of Dollars																	
1982	4 437	4 242	4 045	4 252	4 156	3 988	3 899	3 866	3 902	3 868	3 707	3 893	12 724	12 396	11 667	11 468	(X)
1983	4 062	4 045	4 156	4 186	4 404	4 405	4 539	4 340	4 545	4 691	4 800	5 438	12 263	12 995	13 424	14 929	(X)
1984	4 842	4 862	5 042	4 847	4 695	4 919	4 737	4 711	4 405	4 658	4 623	4 487	14 746	14 461	13 853	13 768	(X)
1985	4 462	4 412	4 268	4 434	4 443	4 427	4 462	4 485	4 267	4 285	4 319	4 264	13 142	13 304	13 214	12 868	(X)
1986	4 381	4 361	4 473	4 440	4 408	4 219	3 975	4 241	4 399	4 356	4 175	4 298	13 215	13 067	12 615	12 829	(X)
1987	4 151	4 393	4 419	4 540	4 568	4 718	4 895	4 617	5 095	5 049	5 360	6 052	12 963	13 826	14 607	16 461	(X)
1988	5 467	5 271	5 725	5 644	5 932	6 407	5 969	6 195	6 342	6 442	6 721	6 815	16 463	17 983	18 506	19 978	(X)
1989	6 781	6 740	6 617	6 538	6 434	6 606	6 330	6 283	6 123	6 044	5 964	5 825	20 138	19 578	18 736	17 833	(X)
1990	6 025	5 951	5 985	5 955	5 992	5 969	6 158	6 055	5 948	6 039	5 731	6 061	17 961	17 916	18 161	17 831	(X)
1991	5 575	5 378	5 321	5 506	5 358	5 207	5 314	5 313	5 343	5 314	5 314	5 198	16 274	16 071	15 970	15 826	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	4.7	-4.4	-4.6	5.1	-2.3	-4.0	-2.2	-8	.9	-9	-4.2	5.0	-6.7	-2.6	-5.9	-1.7	(X)
1983	4.3	-4	2.7	.7	5.2	-	3.0	-4.4	4.7	3.2	2.3	13.3	6.9	6.0	3.3	11.2	(X)
1984	-11.0	4	3.7	-3.9	-3.1	4.8	-3.7	-5	-6.5	5.7	-8	-2.9	-1.2	-1.9	-4.2	-6	(X)
1985	-6	-1.1	-3.3	3.9	2	-4	8	5	-4.9	4	8	-1.3	-4.5	1.2	-7	-2.6	(X)
1986	2.7	-5	2.6	-7	-7	-4.3	-5.8	6.7	3.7	-1.0	-4.2	2.9	2.7	-1.1	-3.5	1.7	(X)
1987	-3.4	5.8	6	2.7	6	3.3	3.8	-5.7	10.4	-9	6.2	12.9	1.0	6.7	5.6	12.7	(X)
1988	-9.7	-3.6	8.6	-1.4	5.1	8.0	-6.8	3.8	2.4	1.6	4.3	1.4	-	9.2	2.9	8.0	(X)
1989	-5	-6	-1.8	-1.2	-1.6	2.7	-4.2	-7	-2.5	-1.3	-1.3	-2.3	8	-2.8	-4.3	-4.8	(X)
1990	3.4	-1.2	6	-5	6	-4	3.2	-1.7	-1.8	1.5	-5.1	5.8	7	-3	1.4	-1.8	(X)
1991	-8.0	-3.5	-1.1	3.5	-2.7	-2.8	2.1	-	6	-5	-	-2.2	-8.7	-1.2	-6	-9	(X)
FABRICATED METAL PRODUCTS, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	8 868	9 991	10 772	10 430	10 721	10 886	9 561	10 200	10 259	9 810	9 170	8 568	29 631	32 037	30 020	27 548	119 236
1983	8 791	9 641	10 155	9 966	10 346	10 855	9 413	10 475	11 288	11 451	10 605	10 097	28 587	31 167	31 176	32 153	123 083
1984	10 471	11 515	11 927	11 587	11 644	12 329	10 910	11 661	11 880	12 064	11 586	10 533	33 913	35 560	34 451	34 183	138 107
1985	10 861	11 593	12 364	11 756	12 153	12 495	11 358	12 334	12 762	12 873	11 946	10 773	34 818	36 404	36 454	35 592	143 268
1986	10 904	11 948	12 021	12 174	12 147	12 835	11 089	11 975	12 628	12 699	11 634	11 009	34 873	37 156	35 692	35 342	143 063
1987	10 727	12 673	13 156	12 504	12 463	13 117	11 461	12 138	12 808	12 625	12 237	11 458	36 556	38 084	36 407	36 320	147 367
1988	11 388	13 006	13 743	13 222	13 658	14 727	11 922	13 034	13 948	14 013	13 427	12 745	38 137	41 607	39 904	40 185	158 833
1989	12 509	13 890	14 580	13 808	13 853	14 248	11 912	13 462	14 171	14 104	13 280	12 365	40 979	41 909	39 545	39 749	162 182
1990	11 740	13 613	14 655	13 646	14 533	14 770	12 517	13 623	14 305	14 402	12 849	12 400	40 008	42 949	40 445	39 651	163 053
1991	11 545	12 741	13 324	12 958	13 356	13 932	11 848	13 305	13 937	14 392	13 421	12 118	37 610	40 246	39 090	39 931	156 877
Seasonally Adjusted—Millions of Dollars																	
1982	9 812	9 958	10 173	10 191	10 415	10 180	10 294	10 054	9 805	9 355	9 498	9 440	29 943	30 786	30 153	28 293	(X)
1983	9 695	9 626	9 630	9 786	10 051	10 124	10 080	10 329	10 785	10 907	10 977	11 179	28 951	29 961	31 194	33 063	(X)
1984	11 487	11 464	11 313	11 392	11 309	11 483	11 694	11 544	11 343	11 492	11 958	11 663	34 264	34 184	34 581	35 113	(X)
1985	11 919	11 520	11 724	11 570	11 819	11 638	12 196	12 259	12 195	12 265	12 265	11 874	35 163	35 027	36 650	36 404	(X)
1986	12 008	11 835	11 366	11 990	11 812	11 961	11 983	11 952	12 050	12 099	11 876	12 071	35 209	35 763	35 985	36 046	(X)
1987	11 907	12 550	12 384	12 317	12 092	12 252	12 481	12 169	12 210	12 024	12 465	12 492	36 841	36 661	36 860	36 981	(X)
1988	12 698	12 878	12 894	13 034	13 221	13 756	13 055	13 110	13 279	13 302	13 655	13 844	38 470	40 011	39 444	40 801	(X)
1989	14 021	13 761	13 662	13 636	13 375	13 310	13 090	13 552	13 478	13 353	13 503	13 384	41 444	40 321	40 120	40 240	(X)
1990	13 210	13 574	13 737	13 505	14 009	13 809	13 789	13 686	13 604	13 593	13 032	13 395	40 521	41 323	41 079	40 020	(X)
1991	13 007	12 756	12 516	12 833	12 836	13 009	13 019	13 328	13 241	13 572	13 624	13 084	38 279	38 678	39 588	40 280	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	2.0	1.5	2.2	.2	2.2	-2.3	1.1	-2.3	-2.5	-4.6	1.5	-6	2.6	2.8	-2.1	-6.2	(X)
1983	2.7	-7	-	1.6	2.7	7	-4	2.5	4.4	1.1	6	1.8	2.3	3.5	4.1	6.0	(X)
1984	2.8	-2	-1.3	.7	-7	1.5	1.8	-1.3	-1.7	1.3	4.1	-2.5	3.6	-2	1.2	1.5	(X)
1985	2.2	-3.3	1.8	-1.3	2.2	-1.5	4.8	5	-5	.6	-	-3.2	1	-4	4.6	-7	(X)
1986	1.1	-1.4	-4.0	5.5	-1.5	1.3	2	-3	8	4	-1.8	1.6	-3.3	1.6	6	2	(X)
1987	-1.4	5.4	-1.3	-5	-1.8	1.3	1.9	-2.5	3	-1.5	3.7	2	2.2	-5	5	3	(X)
1988	1.6	1.4	1	1.1	1.4	4.0	-5.1	4	1.3	2	2.7	1.4	4.0	4.0	-1.4	3.4	(X)
1989	1.3	-1.9	-7	-2	-1.9	-5	-1.7	3.5	-5	-9	1.1	-9	1.6	-2.7	-5	3	(X)
1990	-1.3	2.8	1.2	-1.7	3.7	-1.4	-1	-7	-6	-1	-4.1	2.8	7	2.0	-6	-2.6	(X)
1991	-2.9	-1.9	-1.9	2.5	-	1.3	1	2.4	-7	2.5	4	-4.0	-4.4	1.0	2.4	1.7	(X)

See footnotes at end of table.



# 6 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	14 823	17 213	18 423	15 911	16 026	17 030	13 798	14 249	15 947	14 317	14 132	14 904	50 459	48 967	43 994	43 353	186 773
1983 ---	12 438	13 644	15 556	14 107	14 391	16 297	13 710	14 062	15 955	15 503	15 455	17 328	41 638	44 795	43 727	48 286	178 446
1984 ---	14 635	16 764	18 594	16 895	17 717	19 404	15 778	16 384	19 181	18 198	18 041	19 484	49 993	54 016	51 343	55 723	211 075
1985 ---	15 269	17 614	20 707	17 729	18 376	20 476	16 094	16 632	19 463	18 056	18 229	19 763	53 590	56 581	52 189	56 048	218 408
1986 ---	15 877	18 077	20 079	18 260	17 541	20 705	15 482	15 802	18 883	16 816	16 827	19 225	54 033	56 506	50 167	52 868	213 574
1987 ---	15 199	17 291	19 340	17 442	17 390	20 207	16 550	16 498	20 391	18 464	17 981	20 918	51 830	55 039	53 439	57 363	217 671
1988 ---	16 369	18 950	21 992	19 602	19 889	23 251	18 047	19 389	22 921	20 226	19 729	22 893	57 311	62 742	60 357	62 848	243 258
1989 ---	17 862	20 530	23 223	20 722	21 102	24 793	18 165	19 829	23 192	20 657	20 257	23 311	61 615	66 617	61 186	64 225	253 643
1990 ---	18 208	20 776	24 584	20 836	21 085	24 335	18 270	20 154	23 305	21 521	20 279	22 991	63 568	66 256	61 729	64 791	256 344
1991 ---	17 392	19 809	22 513	20 005	19 901	23 684	17 445	18 611	22 032	20 151	19 579	21 713	59 714	63 590	58 088	61 443	242 835
Seasonally Adjusted—Millions of Dollars																	
1982 ---	16 600	17 001	16 820	15 926	15 953	15 543	15 335	15 273	15 212	14 278	14 443	14 047	50 421	47 422	45 820	42 768	(X)
1983 ---	14 117	13 625	14 072	14 290	14 325	14 745	15 316	15 172	15 138	15 565	15 807	16 343	41 814	43 360	45 626	47 715	(X)
1984 ---	16 721	16 840	16 760	17 045	17 678	17 437	17 705	17 772	18 036	18 356	18 416	17 977	50 321	52 160	53 513	54 749	(X)
1985 ---	17 642	17 841	18 578	17 936	18 405	18 243	18 081	18 105	18 099	18 271	18 721	18 171	54 061	54 584	54 285	55 163	(X)
1986 ---	18 349	18 339	18 014	18 448	17 643	18 325	17 392	17 197	17 397	17 020	17 356	17 562	54 702	54 416	51 986	51 938	(X)
1987 ---	17 694	17 608	17 339	17 716	17 598	17 757	18 856	17 916	18 640	18 754	18 629	19 206	52 641	53 071	55 412	56 589	(X)
1988 ---	19 162	19 365	19 693	19 923	20 172	20 314	20 548	20 984	20 876	20 477	20 558	20 892	58 220	60 409	62 408	61 927	(X)
1989 ---	20 887	20 955	20 836	21 002	21 368	21 640	20 713	21 363	21 127	20 801	21 204	21 362	62 678	64 010	63 203	63 367	(X)
1990 ---	21 276	21 241	22 113	21 063	21 291	21 259	20 861	21 642	21 250	21 627	21 201	21 149	64 630	63 613	63 753	63 977	(X)
1991 ---	20 477	20 325	20 263	20 306	20 227	20 643	20 064	19 986	20 120	20 327	20 463	19 731	61 065	61 176	60 170	60 521	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.2	2.4	-1.1	-5.3	.2	-2.6	-1.3	-.4	-.4	-6.1	1.2	-2.7	.1	-5.9	-3.4	-6.7	(X)
1983 ---	.5	-3.5	3.3	1.5	.2	2.9	3.9	-.9	-.2	2.8	1.6	3.4	-2.2	3.7	5.2	4.6	(X)
1984 ---	2.3	.7	-.5	1.7	3.7	-1.4	1.5	.4	1.5	1.8	.3	-2.4	5.5	3.7	2.6	2.3	(X)
1985 ---	-1.9	1.1	4.1	-3.5	2.6	-.9	-.9	.1	-.1	1.0	2.5	-2.9	-1.3	1.0	-.5	1.6	(X)
1986 ---	1.0	-.1	-1.8	2.4	-4.4	3.9	-5.1	-1.1	1.2	-2.2	2.0	1.2	-.8	-.5	-4.5	-.1	(X)
1987 ---	.8	-.5	-1.5	2.2	-.7	.9	6.2	-5.0	4.0	.6	-.7	3.1	1.4	.8	4.4	2.1	(X)
1988 ---	-.2	1.1	1.7	1.2	1.2	.7	1.2	2.1	-.5	-1.9	.4	1.6	2.9	3.8	3.3	-.8	(X)
1989 ---	-.3	.3	-.6	.8	1.7	1.3	-4.3	3.1	-1.1	-1.5	1.9	.7	1.2	2.1	-1.3	.3	(X)
1990 ---	-.4	-.2	4.1	-4.7	1.1	-.2	-1.9	3.7	-1.8	1.8	-2.0	-.2	2.0	-1.6	.2	.4	(X)
1991 ---	-3.2	-.7	-.3	.2	-.4	2.1	-2.8	-.4	.7	1.0	.7	-3.6	-4.6	.2	-1.6	.6	(X)
ENGINES AND TURBINES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 180	1 263	1 401	1 235	1 116	1 200	928	1 032	1 028	891	879	886	3 844	3 551	2 988	2 656	13 039
1983 ---	864	1 004	1 077	970	1 005	1 118	876	934	1 119	1 026	1 128	1 120	2 945	3 093	2 929	3 274	12 241
1984 ---	1 178	1 242	1 458	1 363	1 319	1 447	1 169	1 084	1 458	1 206	1 242	1 440	3 878	4 129	3 711	3 888	15 606
1985 ---	1 123	1 253	1 525	1 253	1 213	1 449	1 106	1 124	1 282	1 110	1 209	1 471	3 901	3 915	3 512	3 790	15 118
1986 ---	1 029	1 191	1 531	1 235	1 188	1 311	940	1 004	1 235	1 076	1 050	1 560	3 751	3 734	3 179	3 686	14 350
1987 ---	929	1 117	1 367	1 138	1 137	1 262	1 067	1 144	1 341	1 173	1 270	1 626	3 413	3 537	3 552	4 069	14 571
1988 ---	1 001	1 172	1 465	1 250	1 294	1 375	1 082	1 400	1 511	1 285	1 362	2 026	3 638	3 919	3 993	4 673	16 223
1989 ---	1 163	1 440	1 618	1 367	1 360	1 502	958	1 367	1 544	1 276	1 292	2 044	4 221	4 229	3 869	4 612	16 931
1990 ---	1 146	1 317	1 548	1 246	1 308	1 513	957	1 288	1 591	1 216	1 406	2 045	4 011	4 067	3 836	4 667	16 581
1991 ---	1 099	1 228	1 628	1 311	1 472	2 131	1 233	1 385	1 825	1 421	1 524	2 194	3 955	4 914	4 443	5 139	18 451
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 285	1 212	1 214	1 207	1 117	1 084	1 064	1 112	980	942	918	839	3 711	3 408	3 156	2 699	(X)
1983 ---	961	986	923	954	1 001	1 012	1 012	1 024	1 069	1 104	1 177	1 063	2 870	2 967	3 105	3 344	(X)
1984 ---	1 300	1 218	1 236	1 308	1 317	1 313	1 377	1 205	1 383	1 309	1 286	1 275	3 754	3 938	3 965	3 870	(X)
1985 ---	1 291	1 267	1 266	1 221	1 224	1 321	1 318	1 258	1 215	1 207	1 249	1 251	3 824	3 766	3 791	3 707	(X)
1986 ---	1 211	1 228	1 262	1 209	1 202	1 207	1 123	1 115	1 158	1 166	1 085	1 226	3 701	3 618	3 396	3 477	(X)
1987 ---	1 071	1 140	1 144	1 140	1 167	1 172	1 325	1 265	1 246	1 273	1 296	1 270	3 355	3 479	3 836	3 839	(X)
1988 ---	1 184	1 196	1 250	1 264	1 314	1 284	1 348	1 532	1 407	1 385	1 383	1 457	3 630	3 862	4 287	4 225	(X)
1989 ---	1 401	1 497	1 408	1 392	1 384	1 401	1 219	1 472	1 414	1 383	1 309	1 418	4 306	4 177	4 105	4 110	(X)
1990 ---	1 342	1 393	1 365	1 266	1 337	1 400	1 227	1 397	1 423	1 303	1 415	1 454	4 100	4 003	4 047	4 172	(X)
1991 ---	1 402	1 347	1 455	1 377	1 578	1 935	1 662	1 530	1 613	1 542	1 530	1 491	4 204	4 890	4 805	4 563	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.0	-5.7	-.2	-.6	-7.5	-3.0	-1.8	4.5	-11.9	-3.9	-2.5	-8.6	-3.5	-8.2	-7.4	-14.5	(X)
1983 ---	14.5	2.6	-6.4	3.4	4.9	1.1	-.1	1.2	4.4	3.3	6.6	-9.7	6.3	3.4	4.7	7.7	(X)
1984 ---	22.3	-6.3	1.5	5.8	.7	-.3	4.9	-12.5	14.8	-5.4	-1.8	-.9	12.3	4.9	.7	-2.4	(X)
1985 ---	1.3	-1.9	-.1	-3.6	.2	7.9	-.2	-4.6	-3.4	-.7	3.5	.2	-1.2	-1.5	.7	-2.2	(X)
1986 ---	-3.2	1.4	2.8	-4.2	-.6	.4	-7.0	-.7	3.9	.7	-6.9	13.0	-.2	-2.2	-6.1	2.4	(X)
1987 ---	-12.6	6.4	.4	-.3	2.4	.4	13.1	-4.5	-1.5	2.2	1.8	-2.0	-3.5	3.7	10.3	.1	(X)
1988 ---	-6.8	1.0	4.5	1.1	4.0	-2.3	5.0	13.6	-8.2	-1.6	-.1	5.4	-5.4	6.4	11.0	-1.4	(X)
1989 ---	-3.8	6.9	-5.9	-1.1	-.6	1.2	-13.0	20.8	-3.9	-2.2	-5.4	8.3	1.9	-3.0	-1.7	.1	(X)
1990 ---	-5.4	3.8	-2.0	-.7	5.6	4.7	-12.4	13.9	1.9	-8.4	8.6	2.8	-.2	-2.4	1.1	3.1	(X)
1991 ---	-3.6	-3.9	8.0	-5.4	14.6	22.6	-14.1	-7.9	5.4	-4.4	-.8	-2.5	.8	16.3	-1.7	-5.0	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
FARM AND GARDEN MACHINERY—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	995	1 326	1 393	1 280	1 293	1 196	857	829	1 049	1 167	908	815	3 714	3 769	2 735	2 890	13 108
1983 ---	872	917	1 115	1 052	1 082	1 014	741	798	964	1 132	925	970	2 904	3 148	2 503	3 027	11 582
1984 ---	984	1 213	1 378	1 316	1 268	1 147	808	827	1 092	1 384	870	845	3 575	3 731	2 727	3 099	13 132
1985 ---	825	953	1 325	1 209	1 197	986	720	782	958	1 095	848	802	3 103	3 392	2 460	2 745	11 700
1986 ---	930	868	1 098	1 156	979	1 023	628	740	810	791	664	766	2 896	3 158	2 178	2 221	10 453
1987 ---	775	947	1 117	1 101	1 033	1 093	882	786	946	985	755	1 054	2 839	3 227	2 614	2 794	11 474
1988 ---	1 053	1 168	1 392	1 418	1 312	1 181	806	940	1 082	1 117	954	1 137	3 613	3 911	2 828	3 208	13 560
1989 ---	951	1 350	1 449	1 499	1 368	1 299	960	1 155	1 248	1 352	1 274	1 091	3 750	4 166	3 363	3 717	14 996
1990 ---	1 187	1 434	1 766	1 667	1 526	1 390	1 030	1 116	1 335	1 498	1 143	1 364	4 387	4 583	3 481	4 005	16 456
1991 ---	1 078	1 327	1 423	1 510	1 275	1 323	864	827	1 047	1 111	956	1 036	3 828	4 108	2 738	3 103	13 777
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 103	1 297	1 157	1 100	1 142	1 089	1 069	971	1 039	1 063	1 058	960	3 557	3 331	3 079	3 081	(X)
1983 ---	969	899	914	892	939	930	946	958	961	1 035	1 076	1 137	2 782	2 761	2 865	3 248	(X)
1984 ---	1 090	1 192	1 118	1 097	1 090	1 052	1 055	1 007	1 100	1 287	1 019	974	3 400	3 239	3 162	3 280	(X)
1985 ---	907	929	1 072	991	1 029	902	959	954	973	1 043	1 005	903	2 908	2 922	2 886	2 951	(X)
1986 ---	1 016	836	886	935	847	936	846	896	832	771	796	841	2 738	2 718	2 574	2 408	(X)
1987 ---	843	900	900	884	903	1 005	1 195	943	980	973	910	1 128	2 643	2 792	3 118	3 011	(X)
1988 ---	1 154	1 094	1 121	1 137	1 159	1 092	1 088	1 126	1 128	1 105	1 149	1 197	3 369	3 388	3 342	3 451	(X)
1989 ---	1 047	1 252	1 169	1 203	1 218	1 214	1 289	1 391	1 300	1 328	1 524	1 139	3 468	3 635	3 980	3 991	(X)
1990 ---	1 323	1 319	1 429	1 338	1 364	1 313	1 374	1 354	1 388	1 454	1 356	1 430	4 071	4 015	4 116	4 240	(X)
1991 ---	1 203	1 222	1 154	1 211	1 143	1 259	1 150	1 003	1 088	1 070	1 130	1 090	3 579	3 613	3 241	3 290	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-7.7	17.6	-10.8	-4.9	3.8	-4.6	-1.8	-9.2	7.0	2.3	-5	-9.3	-1.7	-6.4	-7.6	1	(X)
1983 ---	9	-7.2	1.7	-2.4	5.3	-1.0	1.7	1.3	3	7.7	4.0	5.7	-9.7	-8	3.8	13.4	(X)
1984 ---	-4.1	9.4	-6.2	-1.9	-6	-3.5	3	-4.5	9.2	17.0	-20.8	-4.4	4.7	-4.7	-2.4	3.7	(X)
1985 ---	-6.9	2.4	15.4	-7.6	3.8	-12.3	6.3	-5	2.0	7.2	-3.6	-10.1	-11.3	5	-1.2	2.3	(X)
1986 ---	12.5	-17.7	6.0	5.5	-9.4	10.5	-9.6	5.9	-7.1	-7.3	3.4	5.7	-7.2	-7	-5.3	-6.4	(X)
1987 ---	2	6.8	-	-1.8	2.1	11.3	18.9	-21.1	3.9	-7	-6.5	24.0	9.8	5.6	11.7	-3.4	(X)
1988 ---	2.3	-5.2	2.5	1.4	1.9	-5.8	-4	3.5	2	-2.0	4.0	4.2	11.9	6	-1.4	3.3	(X)
1989 ---	-12.5	19.6	-6.6	2.9	1.2	-3	6.2	7.9	-6.5	2.2	14.8	-25.3	5	4.8	9.5	3	(X)
1990 ---	16.2	-3	8.3	-6.4	1.9	-3.7	4.6	-1.5	2.5	4.8	-6.7	5.5	2.0	-1.4	2.5	3.0	(X)
1991 ---	-15.9	1.6	-5.6	4.9	-5.6	10.1	-8.7	-12.8	8.5	-1.7	5.6	-3.5	-15.6	9	-10.3	1.5	(X)
CONSTRUCTION, MINING, AND MATERIAL HANDLING EQUIPMENT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 878	3 269	3 057	2 843	2 768	2 973	2 565	2 361	2 710	2 316	2 200	2 098	9 204	8 584	7 636	6 614	32 038
1983 ---	1 789	1 823	1 891	1 937	2 072	2 256	2 165	1 896	2 235	2 172	2 188	2 308	5 503	6 265	6 296	6 688	24 732
1984 ---	2 000	2 222	2 274	2 238	2 383	2 597	2 225	2 023	2 363	2 372	2 221	2 168	6 496	7 218	6 611	6 761	27 086
1985 ---	1 924	2 269	2 314	2 440	2 421	2 440	2 390	2 136	2 259	2 328	2 379	2 293	6 507	7 301	6 785	7 000	27 593
1986 ---	2 188	2 365	2 425	2 460	2 311	2 338	2 177	1 761	1 921	1 924	1 948	2 030	6 978	7 109	5 859	5 902	25 848
1987 ---	1 506	1 850	2 043	2 072	2 005	2 197	2 193	1 958	2 237	2 167	2 241	2 153	5 399	6 274	6 388	6 561	24 622
1988 ---	1 991	2 273	2 423	2 463	2 373	2 480	2 524	2 166	2 345	2 286	2 237	2 188	6 687	7 316	7 035	6 711	27 749
1989 ---	2 177	2 346	2 616	2 535	2 580	2 557	2 263	2 306	2 456	2 650	2 605	2 458	7 139	7 672	7 025	7 713	29 549
1990 ---	2 348	2 670	2 861	2 667	2 618	2 708	2 211	2 427	2 440	2 597	2 757	2 393	7 879	7 993	7 078	7 747	30 697
1991 ---	2 362	2 669	2 663	2 779	2 643	2 734	2 167	2 431	2 702	2 471	2 221	2 118	7 694	8 156	7 300	6 810	29 960
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 166	3 183	3 014	2 809	2 713	2 774	2 619	2 510	2 618	2 294	2 208	2 109	9 363	8 296	7 747	6 611	(X)
1983 ---	1 990	1 792	1 874	1 914	2 013	2 087	2 172	2 046	2 164	2 158	2 189	2 324	5 656	6 014	6 382	6 671	(X)
1984 ---	2 247	2 208	2 248	2 189	2 301	2 394	2 195	2 211	2 303	2 372	2 220	2 200	6 703	6 884	6 709	6 792	(X)
1985 ---	2 168	2 274	2 264	2 353	2 332	2 251	2 334	2 353	2 217	2 338	2 380	2 357	6 706	6 936	6 904	7 075	(X)
1986 ---	2 459	2 382	2 338	2 337	2 225	2 173	2 119	1 939	1 905	1 937	1 952	2 111	7 179	6 735	5 963	6 000	(X)
1987 ---	1 683	1 862	1 937	1 955	1 937	2 053	2 142	2 143	2 242	2 176	2 250	2 261	5 482	5 945	6 527	6 687	(X)
1988 ---	2 212	2 277	2 274	2 321	2 299	2 327	2 485	2 347	2 369	2 282	2 255	2 310	6 763	6 947	7 201	6 847	(X)
1989 ---	2 414	2 329	2 442	2 394	2 503	2 406	2 252	2 471	2 493	2 626	2 643	2 607	7 185	7 303	7 216	7 876	(X)
1990 ---	2 601	2 625	2 669	2 522	2 538	2 557	2 221	2 578	2 487	2 555	2 810	2 545	7 895	7 617	7 286	7 910	(X)
1991 ---	2 621	2 600	2 483	2 633	2 557	2 586	2 189	2 575	2 767	2 419	2 265	2 255	7 704	7 776	7 531	6 939	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-5.5	5	-5.3	-6.8	-3.4	2.2	-5.6	-4.2	4.3	-12.4	-3.7	-4.5	-5.8	-11.4	-6.6	-14.7	(X)
1983 ---	-5.6	-9.9	4.6	2.1	5.2	3.7	4.1	-5.8	5.8	-3	1.4	6.2	-14.4	6.3	6.1	4.5	(X)
1984 ---	-3.3	-1.7	1.8	-2.6	5.1	4.0	-8.3	7	4.2	3.0	-6.4	-9	5	2.7	-2.5	1.2	(X)
1985 ---	-1.5	4.9	-4	3.9	-9	-3.5	3.7	8	-5.8	5.5	1.8	-1.0	-1.3	3.4	-5	2.5	(X)
1986 ---	4.3	-3.1	-1.8	-	-4.8	-2.3	-2.5	-8.5	-1.8	1.7	8	8.1	1.5	-6.2	-11.5	6	(X)
1987 ---	-20.3	10.6	4.0	9	-9	6.0	4.3	-	4.6	-2.9	3.4	5	-8.6	8.4	9.8	2.5	(X)
1988 ---	-2.2	2.9	-1	2.1	-9	1.2	6.8	-5.6	9	-3.7	-1.2	2.4	1.1	2.7	3.7	-4.9	(X)
1989 ---	4.5	-3.5	4.9	-2.0	4.6	-3.9	-6.4	9.7	9	5.3	6	-1.4	4.9	1.6	-1.2	9.1	(X)
1990 ---	-2	9	1.7	-5.5	6	7	-13.1	16.1	-3.5	2.7	10.0	-9.4	2	-3.5	-4.3	8.6	(X)
1991 ---	3.0	-8	-4.5	6.0	-2.9	1.1	-15.4	17.6	7.5	-12.6	-6.4	-4	-2.6	9	-3.2	-7.9	(X)

See footnotes at end of table



## 8 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
METALWORKING MACHINERY—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 838	1 928	1 984	1 741	1 701	1 750	1 503	1 579	1 559	1 438	1 357	1 363	5 750	5 192	4 641	4 158	19 741
1983 ---	1 356	1 381	1 422	1 370	1 389	1 427	1 248	1 363	1 535	1 552	1 482	1 490	4 159	4 186	4 146	4 524	17 015
1984 ---	1 534	1 696	1 778	1 730	1 763	1 751	1 531	1 623	1 770	1 826	1 680	1 738	5 008	5 244	4 924	5 244	20 420
1985 ---	1 628	1 840	1 959	1 779	1 826	1 880	1 682	1 676	1 930	2 004	1 873	1 875	5 427	5 485	5 288	5 752	21 952
1986 ---	1 810	2 099	2 059	1 959	1 862	2 042	1 640	1 684	1 961	1 991	1 825	1 695	5 968	5 863	5 285	5 511	22 627
1987 ---	1 693	1 902	1 950	1 795	1 745	1 907	1 529	1 631	1 957	1 984	1 981	1 930	5 545	5 447	5 117	5 895	22 004
1988 ---	1 718	2 007	2 230	1 874	1 923	2 086	1 728	1 955	2 256	2 279	2 202	2 107	5 955	5 883	5 939	6 588	24 365
1989 ---	1 764	2 225	2 465	2 083	2 233	2 461	1 970	2 083	2 285	2 381	2 211	2 523	6 454	6 777	6 338	7 115	26 684
1990 ---	1 877	2 133	2 627	2 084	2 194	2 569	2 056	2 088	2 380	2 477	2 170	2 380	6 637	6 847	6 524	7 027	27 035
1991 ---	1 579	1 988	2 105	1 791	1 961	2 236	1 706	1 913	2 166	2 164	2 034	2 130	5 672	5 988	5 785	6 328	23 773
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 921	1 843	1 825	1 720	1 704	1 671	1 674	1 687	1 505	1 379	1 398	1 400	5 589	5 095	4 866	4 177	(X)
1983 ---	1 418	1 323	1 313	1 352	1 386	1 368	1 393	1 459	1 480	1 478	1 524	1 525	4 054	4 106	4 332	4 527	(X)
1984 ---	1 616	1 623	1 644	1 708	1 757	1 679	1 721	1 748	1 701	1 729	1 714	1 773	4 893	5 144	5 170	5 216	(X)
1985 ---	1 735	1 755	1 803	1 764	1 828	1 798	1 912	1 817	1 845	1 886	1 885	1 899	5 293	5 390	5 574	5 670	(X)
1986 ---	1 968	2 001	1 881	1 961	1 876	1 942	1 881	1 831	1 864	1 862	1 811	1 706	5 850	5 779	5 576	5 379	(X)
1987 ---	1 883	1 817	1 764	1 827	1 774	1 794	1 758	1 771	1 851	1 838	1 948	1 928	5 464	5 395	5 380	5 714	(X)
1988 ---	1 962	1 931	2 005	1 945	1 962	1 935	1 987	2 110	2 123	2 099	2 156	2 086	5 898	5 842	6 220	6 341	(X)
1989 ---	2 066	2 162	2 204	2 203	2 281	2 255	2 260	2 228	2 143	2 182	2 165	2 478	6 432	6 739	6 631	6 825	(X)
1990 ---	2 252	2 091	2 343	2 235	2 233	2 330	2 350	2 217	2 230	2 266	2 132	2 321	6 686	6 798	6 797	6 719	(X)
1991 ---	1 924	1 958	1 875	1 935	1 993	2 016	1 943	2 026	2 031	1 975	2 007	2 071	5 757	5 944	6 000	6 053	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.3	-4.1	-1.0	-5.8	-9	-1.9	2	.8	-10.8	-8.4	1.4	.1	-5.7	-8.8	-4.5	-14.2	(X)
1983 ---	1.3	-6.7	-8	3.0	2.5	-1.3	1.8	4.7	1.4	-1	3.1	.1	-2.9	1.3	5.5	4.5	(X)
1984 ---	6.0	.4	1.3	3.9	2.9	-4.4	2.5	1.6	-2.7	1.6	-9	3.4	7.9	5.3	.5	.9	(X)
1985 ---	-2.1	1.2	2.7	-2.2	3.6	-1.6	6.3	-5.0	1.5	2.2	-1	.7	1.5	1.8	3.4	1.7	(X)
1986 ---	3.6	1.7	-6.0	4.3	-4.3	3.5	-3.1	-2.7	1.8	-1	-2.7	-5.8	3.2	-1.2	-3.5	-3.5	(X)
1987 ---	10.4	-3.5	-2.9	3.6	-2.9	1.1	-2.0	7	4.5	-7	6.0	-1.0	1.6	-1.3	-3	6.2	(X)
1988 ---	1.8	-1.6	3.8	-3.0	.9	-1.4	2.7	6.2	6	-1.1	2.7	-3.2	3.2	-9	6.5	1.9	(X)
1989 ---	-1.0	4.6	1.9	-	3.5	-1.1	2	-1.4	-3.8	1.8	-8	14.5	1.4	4.8	-1.6	2.9	(X)
1990 ---	-9.1	-7.1	12.1	-4.6	-1	4.3	9	-5.7	6	1.6	-5.9	8.9	-2.0	1.7	-	-1.1	(X)
1991 ---	-17.1	1.8	-4.2	3.2	3.0	1.2	-3.6	4.3	2	-2.8	1.6	3.2	-14.3	3.2	.9	.9	(X)
COMPUTER AND OFFICE EQUIPMENT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 497	3 300	4 129	2 819	3 015	3 607	2 677	3 061	3 735	3 069	3 498	4 762	9 926	9 441	9 473	11 329	40 169
1983 ---	2 501	3 114	4 315	3 225	3 217	4 345	3 297	3 552	4 282	3 691	3 988	5 537	9 930	10 787	11 131	13 216	45 064
1984 ---	3 129	3 819	4 857	3 719	4 261	5 330	3 930	4 594	5 685	4 609	5 720	6 974	11 805	13 310	14 209	17 303	56 627
1985 ---	3 665	4 429	6 161	3 985	4 581	6 290	3 861	4 438	6 201	4 582	5 192	7 015	14 255	14 856	14 500	16 789	60 400
1986 ---	3 503	4 340	5 774	3 958	4 270	6 458	3 470	4 263	6 073	4 004	4 865	6 890	13 617	14 686	13 806	15 759	57 868
1987 ---	3 705	4 414	5 586	3 977	4 425	6 281	4 098	4 496	6 632	4 629	5 089	7 295	13 705	14 683	15 226	17 013	60 627
1988 ---	3 917	4 858	6 572	4 537	5 095	7 366	4 473	5 216	7 383	4 967	5 401	7 859	15 347	16 998	17 072	18 227	67 644
1989 ---	4 008	4 516	6 619	4 427	4 879	7 475	4 158	4 934	7 170	4 538	5 102	7 600	15 143	16 781	16 262	17 240	65 426
1990 ---	3 980	4 666	6 490	4 261	4 641	7 021	3 921	4 710	6 947	5 036	5 013	7 387	15 136	15 923	15 578	17 436	64 073
1991 ---	3 894	4 431	6 190	4 192	4 515	6 824	3 947	4 614	6 387	4 994	5 383	7 247	14 515	15 531	14 948	17 624	62 618
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 314	3 555	3 669	3 248	3 302	3 219	3 233	3 250	3 286	3 221	3 350	3 432	10 538	9 769	9 769	10 003	(X)
1983 ---	3 347	3 389	3 753	3 780	3 533	3 784	4 034	3 815	3 707	3 934	3 838	3 974	10 489	11 097	11 556	11 746	(X)
1984 ---	4 221	4 213	4 148	4 437	4 702	4 868	4 868	5 000	4 810	4 965	5 557	4 992	12 582	13 661	14 678	15 514	(X)
1985 ---	4 974	4 936	5 226	4 835	5 066	5 214	4 837	4 876	5 101	5 001	5 111	5 016	15 136	15 115	14 814	15 128	(X)
1986 ---	4 774	4 881	4 872	4 869	4 750	5 223	4 407	4 725	4 864	4 415	4 862	4 926	14 527	14 842	13 996	14 203	(X)
1987 ---	5 066	4 987	4 702	4 937	4 953	4 978	5 273	5 007	5 197	5 149	5 171	5 209	14 755	14 868	15 477	15 529	(X)
1988 ---	5 357	5 528	5 512	5 652	5 749	5 740	5 819	5 835	5 708	5 535	5 570	5 613	16 397	17 141	17 362	16 718	(X)
1989 ---	5 458	5 175	5 547	5 512	5 529	5 763	5 451	5 523	5 512	5 054	5 312	5 425	16 180	16 804	16 486	15 791	(X)
1990 ---	5 395	5 391	5 426	5 306	5 273	5 371	5 176	5 285	5 330	5 594	5 240	5 271	16 212	15 950	15 791	16 105	(X)
1991 ---	5 263	5 153	5 166	5 218	5 136	5 200	5 232	5 181	4 898	5 539	5 639	5 168	15 582	15 556	15 311	16 346	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.6	7.3	3.2	-11.5	1.7	-2.5	4	5	1.1	-2.0	4.0	2.4	9.3	-7.3	-	2.4	(X)
1983 ---	-2.5	1.3	10.7	-7	-6.5	7.1	6.6	-5.4	-2.8	6.1	-2.4	3.5	4.9	5.8	4.1	1.6	(X)
1984 ---	6.2	-2	-1.5	7.0	6.0	-3.8	7.7	2.7	-3.8	3.2	11.9	-10.2	7.1	8.6	7.4	5.7	(X)
1985 ---	-4	-8	5.9	-7.5	4.8	2.9	-7.2	8	4.6	-2.0	2.2	-1.9	-2.4	-1	-2.0	2.1	(X)
1986 ---	-4.8	2.2	-2	-1	-2.4	10.0	-15.6	7.2	2.9	-9.2	10.1	1.3	-4.0	2.2	-5.7	1.5	(X)
1987 ---	2.8	-1.6	-5.7	5.0	3	5	5.9	-5.0	3.8	-9	4	7	3.9	6	4.1	3	(X)
1988 ---	2.8	3.2	-3	2.5	1.7	-2	1.4	3	-2.2	-3.0	6	8	5.6	4.5	1.3	-3.7	(X)
1989 ---	-2.8	-5.2	7.2	-6	3	4.2	-5.4	1.3	-2	-8.3	5.1	2.1	-3.2	3.9	-1.9	-4.2	(X)
1990 ---	-6	-1	6	-2.2	-6	1.9	-3.6	2.1	9	5.0	-6.3	6	2.7	-1.6	-1.0	2.0	(X)
1991 ---	-2	-2.1	3	1.0	-1.5	1.2	6	-1.0	-5.5	13.1	1.8	-8.4	-3.2	-2	-1.6	6.8	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 460	10 721	11 218	10 679	10 543	11 388	9 682	10 125	11 105	10 405	10 297	10 105	31 399	32 610	30 912	30 807	125 728
1983 ---	9 603	10 754	11 427	10 763	10 875	12 112	9 862	11 086	12 776	12 204	12 380	12 296	31 784	33 750	33 724	36 880	136 138
1984 ---	11 692	12 870	13 840	12 907	13 397	14 568	12 242	13 623	14 761	14 219	13 897	14 346	38 402	40 872	40 626	42 462	162 362
1985 ---	12 303	13 643	14 304	13 119	13 358	14 648	12 262	13 350	14 464	14 361	14 391	13 748	40 250	41 125	40 076	42 500	163 951
1986 ---	12 053	13 642	14 252	13 289	13 123	14 614	12 375	13 379	15 231	14 474	14 011	14 368	39 947	41 026	40 985	42 853	164 811
1987 ---	12 175	13 890	14 660	13 514	13 454	15 368	12 990	14 149	15 943	14 885	15 142	15 117	40 725	42 336	43 082	45 144	171 287
1988 ---	13 407	15 121	16 132	14 639	15 032	16 821	13 959	15 745	17 673	16 051	16 182	16 187	44 660	46 492	47 377	48 420	186 949
1989 ---	14 664	15 893	16 933	15 770	15 799	17 041	14 028	16 142	17 446	16 045	16 280	16 252	47 490	48 610	47 616	48 577	192 293
1990 ---	14 245	16 301	17 067	15 404	16 175	17 464	14 551	16 206	17 695	16 672	16 649	16 420	47 613	49 043	48 452	49 741	194 849
1991 ---	14 327	15 986	16 893	15 711	16 432	17 842	14 785	16 562	18 551	17 038	17 751	17 666	47 206	49 985	49 898	52 455	199 544
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 285	10 542	10 619	10 739	10 675	10 666	10 787	10 407	10 367	10 129	10 241	10 215	31 446	32 080	31 561	30 585	(X)
1983 ---	10 498	10 634	10 823	10 887	11 037	11 329	10 960	11 363	11 839	11 856	12 270	12 343	31 955	33 253	34 162	36 469	(X)
1984 ---	12 857	12 772	13 132	13 096	13 646	13 611	13 607	13 949	13 615	13 836	13 720	14 313	38 761	40 353	41 171	41 869	(X)
1985 ---	13 657	13 592	13 563	13 440	13 704	13 673	13 681	13 640	13 244	13 932	14 137	13 551	40 812	40 817	40 565	41 620	(X)
1986 ---	13 463	13 647	13 532	13 734	13 544	13 604	13 833	13 601	13 871	14 022	13 700	14 107	40 642	40 882	41 305	41 829	(X)
1987 ---	13 636	13 908	13 930	13 990	13 873	14 291	14 503	14 333	14 561	14 557	14 817	14 836	41 474	42 154	43 397	44 210	(X)
1988 ---	15 027	15 150	15 333	15 145	15 453	15 628	15 613	15 894	16 115	15 736	15 740	15 860	45 510	46 226	47 622	47 336	(X)
1989 ---	16 442	15 961	16 106	16 363	16 158	15 830	15 722	16 236	15 912	15 803	15 845	15 975	48 509	48 351	47 870	47 623	(X)
1990 ---	15 965	16 428	16 243	15 982	16 454	16 223	16 352	16 280	16 140	16 530	16 161	16 067	48 636	48 659	48 772	48 758	(X)
1991 ---	16 089	16 143	16 085	16 323	16 671	16 576	16 644	16 619	16 916	16 881	17 210	17 201	48 317	49 570	50 179	51 292	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.5	2.5	.7	1.1	-.6	-.1	1.1	-3.5	-.4	-2.3	1.1	-.3	3.0	2.0	-1.6	-3.1	(X)
1983 ---	2.8	1.3	1.8	.6	1.4	2.6	-3.3	3.7	4.2	1.1	3.5	.6	4.5	4.1	2.7	6.8	(X)
1984 ---	4.2	-.7	2.8	-.3	4.2	-.3	-.7	2.5	-2.4	1.6	-.8	4.3	6.3	4.1	2.0	1.7	(X)
1985 ---	-4.6	-.5	-.2	-.9	2.0	-.2	1.1	-.3	-2.9	5.2	1.5	-4.1	-2.5	-.1	-.6	2.6	(X)
1986 ---	-.6	1.4	-.8	1.5	-1.4	.4	1.7	-1.7	2.0	1.1	-2.3	3.0	-2.3	.6	1.0	1.3	(X)
1987 ---	-3.3	2.0	.2	.4	-.8	3.0	1.5	-1.2	1.6	-.1	1.8	-.1	-.8	1.6	2.9	1.9	(X)
1988 ---	1.3	.8	1.2	-1.2	2.0	1.1	-.1	1.8	1.4	-2.4	-.1	.8	2.9	1.6	3.0	-.6	(X)
1989 ---	3.7	-2.9	.9	1.6	-1.3	-2.0	-.7	3.3	-2.0	-.7	-.3	.8	2.5	-.3	-1.0	-.5	(X)
1990 ---	-.1	2.9	-1.1	-1.6	3.0	-1.4	.8	-.4	-.9	2.4	-2.2	-.6	2.1	-.1	.2	-.1	(X)
1991 ---	.1	.3	-.4	1.5	2.1	-.6	.4	-.2	1.8	-.2	1.9	-.1	-.9	2.6	1.2	2.2	(X)
ELECTRICAL TRANSMISSION AND DISTRIBUTION EQUIPMENT AND INDUSTRIAL APPARATUS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 682	1 888	1 944	1 799	1 814	1 897	1 521	1 627	1 813	1 587	1 593	1 733	5 514	5 510	4 961	4 913	20 898
1983 ---	1 527	1 703	1 807	1 682	1 624	1 807	1 389	1 732	1 990	1 722	1 795	1 890	5 037	5 113	5 111	5 407	20 698
1984 ---	1 732	1 911	2 154	1 940	1 983	2 131	1 767	1 924	2 251	1 959	1 998	2 223	5 797	6 054	5 942	6 180	23 973
1985 ---	1 666	1 908	2 211	1 908	1 954	2 182	1 719	1 968	2 095	2 093	2 122	2 000	5 785	6 044	5 782	6 215	23 826
1986 ---	1 811	2 017	2 260	1 964	1 958	2 140	1 761	1 919	2 147	1 943	1 856	2 029	6 088	6 062	5 827	5 828	23 805
1987 ---	1 619	1 973	2 110	1 895	1 899	2 125	1 764	1 827	2 246	1 994	1 997	2 014	5 702	5 919	5 837	6 005	23 463
1988 ---	1 812	2 109	2 256	2 061	2 099	2 308	1 898	2 131	2 487	2 265	2 262	2 228	6 177	6 468	6 516	6 755	25 916
1989 ---	2 106	2 412	2 502	2 341	2 304	2 450	1 967	2 210	2 479	2 176	2 164	2 244	7 020	7 095	6 656	6 584	27 355
1990 ---	2 063	2 424	2 560	2 246	2 351	2 640	2 065	2 261	2 613	2 324	2 234	2 107	7 047	7 237	6 939	6 665	27 888
1991 ---	2 016	2 298	2 486	2 279	2 275	2 573	1 978	2 202	2 563	2 191	2 175	2 295	6 800	7 127	6 743	6 661	27 331
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 816	1 832	1 789	1 797	1 808	1 762	1 744	1 678	1 692	1 617	1 614	1 724	5 437	5 367	5 114	4 955	(X)
1983 ---	1 660	1 672	1 649	1 689	1 630	1 679	1 592	1 782	1 829	1 760	1 821	1 874	4 981	4 998	5 203	5 455	(X)
1984 ---	1 895	1 890	1 954	1 957	2 001	1 980	2 022	1 979	2 046	1 997	2 028	2 208	5 739	5 938	6 047	6 233	(X)
1985 ---	1 838	1 891	1 998	1 938	1 978	2 026	1 960	2 028	1 890	2 122	2 154	1 990	5 727	5 942	5 878	6 266	(X)
1986 ---	2 015	1 995	2 043	1 998	1 984	1 985	2 001	1 976	1 931	1 961	1 885	2 037	6 053	5 967	5 908	5 883	(X)
1987 ---	1 811	1 939	1 916	1 928	1 919	1 968	2 001	1 882	2 019	2 006	2 038	2 036	5 666	5 815	5 902	6 080	(X)
1988 ---	2 030	2 056	2 057	2 088	2 115	2 134	2 152	2 194	2 233	2 284	2 318	2 284	6 143	6 337	6 579	6 866	(X)
1989 ---	2 363	2 339	2 289	2 360	2 312	2 264	2 230	2 277	2 224	2 202	2 225	2 288	6 991	6 936	6 731	6 715	(X)
1990 ---	2 317	2 348	2 343	2 257	2 349	2 438	2 345	2 327	2 343	2 361	2 302	2 152	7 008	7 044	7 015	6 815	(X)
1991 ---	2 257	2 225	2 275	2 264	2 268	2 374	2 247	2 263	2 301	2 229	2 247	2 344	6 757	6 926	6 811	6 820	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.7	.9	-2.3	.4	.6	-2.5	-1.0	-3.8	.8	-4.4	-.2	6.8	-.6	-1.3	-4.7	-3.1	(X)
1983 ---	-3.7	.7	-1.4	2.4	-3.5	3.0	-5.2	11.9	2.6	-3.8	3.5	2.8	.5	.3	4.1	4.6	(X)
1984 ---	1.1	-.3	3.4	.2	2.2	-1.0	2.1	-2.1	3.4	-2.4	1.6	8.9	5.2	3.5	1.8	3.1	(X)
1985 ---	-16.8	2.9	5.7	-3.0	2.1	2.4	-3.3	3.5	-6.8	12.3	1.5	-7.6	-8.1	3.8	-1.1	6.6	(X)
1986 ---	1.3	-1.0	2.4	-2.2	-.7	.1	.8	-1.2	-2.3	1.6	-3.9	8.1	-3.4	-1.4	-1.0	-.4	(X)
1987 ---	-11.1	7.1	-1.2	.6	-.5	2.6	1.7	-5.9	7.3	-.6	1.6	-.1	-3.7	2.6	1.5	3.0	(X)
1988 ---	-.3	1.3	-.1	1.5	1.3	.9	.8	2.0	1.8	2.3	1.5	-2.3	1.0	3.2	3.8	4.4	(X)
1989 ---	4.4	-1.0	-2.1	3.1	-2.0	-2.1	-1.5	2.1	-2.3	-1.0	1.0	2.8	1.8	-.8	-3.0	-.2	(X)
1990 ---	1.3	1.3	-.2	-3.7	4.1	3.8	-3.8	-.8	.7	.8	-2.5	-6.5	4.4	.5	-.4	-2.9	(X)
1991 ---	4.9	-1.4	2.2	.4	-.7	4.7	-5.3	.7	1.7	-3.1	.8	4.3	-.9	2.5	-1.7	.1	(X)



# 10 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
HOUSEHOLD APPLIANCES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	886	1 048	1 114	1 061	1 042	1 148	1 039	1 135	1 160	1 108	1 001	902	3 048	3 251	3 334	3 011	12 644
1983 ---	1 086	1 151	1 215	1 191	1 195	1 288	1 188	1 300	1 352	1 284	1 148	1 058	3 452	3 674	3 840	3 490	14 456
1984 ---	1 216	1 282	1 379	1 233	1 366	1 658	1 358	1 431	1 460	1 375	1 197	1 224	3 877	4 257	4 249	3 796	16 178
1985 ---	1 274	1 284	1 315	1 276	1 361	1 536	1 274	1 349	1 494	1 381	1 351	1 221	3 873	4 173	4 117	3 953	16 116
1986 ---	1 216	1 263	1 360	1 324	1 341	1 503	1 409	1 472	1 597	1 545	1 314	1 142	3 839	4 168	4 478	4 001	16 486
1987 ---	1 251	1 370	1 388	1 379	1 343	1 599	1 349	1 407	1 468	1 436	1 289	1 219	4 009	4 321	4 224	3 944	16 498
1988 ---	1 287	1 324	1 512	1 411	1 461	1 650	1 431	1 549	1 677	1 433	1 311	1 286	4 123	4 522	4 657	4 030	17 332
1989 ---	1 354	1 492	1 647	1 569	1 568	1 669	1 441	1 541	1 569	1 585	1 443	1 457	4 493	4 806	4 551	4 485	18 335
1990 ---	1 376	1 535	1 684	1 543	1 543	1 713	1 459	1 452	1 506	1 468	1 396	1 394	4 595	4 799	4 417	4 258	18 069
1991 ---	1 325	1 392	1 528	1 556	1 590	1 754	1 441	1 546	1 598	1 567	1 538	1 428	4 245	4 900	4 585	4 533	18 263
Seasonally Adjusted—Millions of Dollars																	
1982 ---	952	1 043	1 066	1 066	1 049	1 058	1 067	1 089	1 063	1 064	1 083	1 036	3 061	3 173	3 219	3 183	(X)
1983 ---	1 160	1 158	1 171	1 197	1 198	1 176	1 213	1 243	1 232	1 238	1 250	1 214	3 489	3 571	3 688	3 702	(X)
1984 ---	1 300	1 304	1 342	1 241	1 363	1 494	1 380	1 370	1 327	1 328	1 306	1 398	3 946	4 098	4 077	4 032	(X)
1985 ---	1 368	1 319	1 283	1 288	1 356	1 370	1 290	1 292	1 361	1 333	1 477	1 386	3 970	4 014	3 943	4 196	(X)
1986 ---	1 316	1 304	1 326	1 334	1 333	1 329	1 429	1 416	1 463	1 493	1 434	1 289	3 946	3 996	4 308	4 216	(X)
1987 ---	1 368	1 418	1 337	1 383	1 331	1 410	1 370	1 360	1 361	1 395	1 403	1 365	4 123	4 124	4 091	4 163	(X)
1988 ---	1 421	1 368	1 441	1 402	1 440	1 452	1 463	1 508	1 580	1 400	1 420	1 427	4 230	4 294	4 551	4 247	(X)
1989 ---	1 504	1 541	1 551	1 547	1 534	1 468	1 481	1 510	1 499	1 560	1 559	1 600	4 596	4 549	4 490	4 719	(X)
1990 ---	1 531	1 585	1 576	1 511	1 498	1 506	1 512	1 432	1 453	1 452	1 504	1 514	4 692	4 515	4 397	4 470	(X)
1991 ---	1 478	1 438	1 424	1 520	1 537	1 545	1 498	1 531	1 548	1 552	1 654	1 539	4 340	4 602	4 577	4 745	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-3.0	9.6	2.2	-	-1.6	.9	.9	2.1	-2.4	.1	1.8	-4.3	.3	3.7	1.4	-1.1	(X)
1983 ---	12.0	-2	1.1	2.2	.1	-1.8	3.1	2.5	-9	.5	1.0	-2.9	9.6	2.4	3.3	.4	(X)
1984 ---	7.1	.3	2.9	-7.5	9.8	9.6	-7.6	-7	-3.1	.1	-1.7	7.0	6.6	3.9	-5	-1.1	(X)
1985 ---	-2.1	-3.6	-2.7	.4	5.3	1.0	-5.8	2	5.3	-2.1	10.8	-6.2	-1.5	1.1	-1.8	6.4	(X)
1986 ---	-5.1	-9	1.7	.6	-1	-3	7.5	-9	3.3	2.1	-4.0	-10.1	-6.0	1.3	7.8	-2.1	(X)
1987 ---	6.1	3.7	-5.7	3.4	-3.8	5.9	-2.8	-7	.1	2.5	.6	-2.7	-2.2	-	-8	1.8	(X)
1988 ---	4.1	-3.7	5.3	-2.7	2.7	.8	.8	3.1	4.8	-11.4	1.4	.5	1.6	1.5	6.0	-6.7	(X)
1989 ---	5.4	2.5	.6	-3	-8	-4.3	.9	2.0	-7	4.1	-1	2.6	8.2	-1.0	-1.3	5.1	(X)
1990 ---	-4.3	3.5	-6	-4.1	-9	.5	.4	-5.3	1.5	-1	3.6	.7	-6	-3.8	-2.6	1.7	(X)
1991 ---	-2.4	-2.7	-1.0	6.7	1.1	.5	-3.0	2.2	1.1	.3	6.6	-7.0	-2.9	6.0	-5	3.7	(X)
ELECTRIC LIGHTING AND WIRING EQUIPMENT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	960	1 076	1 088	985	1 039	1 084	924	976	1 067	1 063	1 056	968	3 124	3 108	2 967	3 087	12 286
1983 ---	939	1 052	1 062	1 042	1 053	1 141	979	1 092	1 275	1 304	1 287	1 226	3 053	3 236	3 346	3 817	13 452
1984 ---	1 202	1 260	1 271	1 187	1 176	1 271	1 105	1 223	1 381	1 385	1 331	1 310	3 733	3 634	3 709	4 026	15 102
1985 ---	1 144	1 282	1 309	1 185	1 248	1 414	1 232	1 326	1 422	1 530	1 404	1 375	3 735	3 847	3 980	4 474	16 036
1986 ---	1 195	1 363	1 318	1 256	1 295	1 477	1 218	1 327	1 558	1 596	1 553	1 572	3 876	4 028	4 103	4 721	16 728
1987 ---	1 266	1 474	1 468	1 407	1 380	1 582	1 322	1 470	1 687	1 674	1 710	1 564	4 208	4 369	4 479	4 948	18 004
1988 ---	1 429	1 588	1 656	1 484	1 545	1 733	1 446	1 591	1 714	1 685	1 703	1 662	4 673	4 762	4 751	5 050	19 236
1989 ---	1 598	1 659	1 637	1 497	1 583	1 723	1 380	1 676	1 722	1 563	1 724	1 736	4 894	4 803	4 778	5 023	19 498
1990 ---	1 316	1 674	1 724	1 480	1 583	1 695	1 388	1 672	1 769	1 611	1 685	1 725	4 714	4 758	4 829	5 021	19 322
1991 ---	1 431	1 653	1 650	1 577	1 617	1 661	1 421	1 642	1 798	1 697	1 801	1 757	4 734	4 855	4 861	5 255	19 705
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 028	1 054	1 057	1 043	1 083	1 047	1 051	1 010	985	970	993	966	3 139	3 173	3 046	2 929	(X)
1983 ---	1 018	1 033	1 038	1 105	1 099	1 098	1 107	1 132	1 171	1 187	1 207	1 215	3 089	3 302	3 410	3 609	(X)
1984 ---	1 319	1 241	1 252	1 260	1 231	1 217	1 246	1 269	1 263	1 258	1 245	1 289	3 812	3 708	3 778	3 792	(X)
1985 ---	1 268	1 268	1 295	1 260	1 314	1 347	1 388	1 372	1 298	1 391	1 436	1 371	3 831	3 921	4 058	4 198	(X)
1986 ---	1 335	1 351	1 307	1 339	1 366	1 397	1 375	1 366	1 425	1 461	1 446	1 525	3 993	4 102	4 166	4 432	(X)
1987 ---	1 422	1 460	1 456	1 507	1 449	1 489	1 498	1 498	1 549	1 554	1 595	1 507	4 338	4 445	4 545	4 656	(X)
1988 ---	1 610	1 567	1 639	1 593	1 608	1 631	1 649	1 604	1 578	1 592	1 590	1 591	4 816	4 832	4 831	4 773	(X)
1989 ---	1 803	1 629	1 615	1 612	1 632	1 628	1 581	1 672	1 589	1 502	1 614	1 651	5 047	4 872	4 842	4 767	(X)
1990 ---	1 487	1 636	1 697	1 595	1 620	1 610	1 596	1 656	1 635	1 565	1 579	1 630	4 820	4 825	4 887	4 774	(X)
1991 ---	1 621	1 608	1 623	1 702	1 647	1 581	1 639	1 619	1 663	1 657	1 691	1 653	4 852	4 930	4 921	5 001	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	7.0	2.5	.3	-1.3	3.8	-3.3	.4	-3.9	-2.5	-1.5	2.4	-2.7	2.6	1.1	-4.0	-3.8	(X)
1983 ---	5.4	1.5	.5	6.5	-5	-1	.8	2.3	3.4	1.4	1.7	.7	5.5	6.9	3.3	5.8	(X)
1984 ---	8.6	-5.9	.9	.6	-2.3	-1.1	2.4	1.8	-5	-4	-1.0	3.5	5.6	-2.7	1.9	.4	(X)
1985 ---	-1.6	-	2.1	-2.7	4.3	2.5	3.0	-1.2	-5.4	7.2	3.2	-4.5	1.0	2.3	3.5	3.4	(X)
1986 ---	-2.6	1.2	-3.3	2.4	2.0	2.3	-1.6	-7	4.3	2.5	-1.0	5.5	-4.9	2.7	1.6	6.4	(X)
1987 ---	-6.8	2.7	-3	3.5	-3.8	2.8	.6	-	3.4	.3	2.6	-5.5	-2.1	2.5	2.2	2.4	(X)
1988 ---	6.8	-2.7	4.6	-2.8	.9	1.4	1.1	-2.7	-1.6	.9	-1	.1	3.4	.3	-	-1.2	(X)
1989 ---	13.3	-9.7	-9	-2	1.2	-2	-2.9	5.8	-5.0	-5.5	7.5	2.3	5.7	-3.5	-6	-1.5	(X)
1990 ---	-9.9	10.0	3.7	-6.0	1.6	-6	-9	3.8	-1.3	-4.3	.9	3.2	1.1	1	1.3	-2.3	(X)
1991 ---	-6	-8	.9	4.9	-3.2	-4.0	3.7	-1.2	2.7	-4	2.1	-2.2	1.6	1.6	-2	1.6	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
HOUSEHOLD AUDIO AND VIDEO EQUIPMENT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	542	648	722	585	615	777	612	621	768	686	654	603	1 912	1 977	2 001	1 943	7 833
1983 ---	591	676	679	675	666	885	684	692	902	913	804	766	1 946	2 226	2 278	2 483	8 933
1984 ---	775	767	831	693	799	867	706	817	946	950	897	865	2 373	2 359	2 469	2 712	9 913
1985 ---	823	910	966	844	824	1 001	849	913	1 114	1 116	1 081	1 017	2 699	2 669	2 876	3 214	11 458
1986 ---	940	996	1 064	889	849	1 145	899	1 021	1 235	1 158	965	830	3 000	2 883	3 155	2 953	11 991
1987 ---	736	679	583	560	637	731	461	610	797	728	730	581	1 998	1 928	1 868	2 039	7 833
1988 ---	542	574	621	495	652	674	560	774	990	876	896	706	1 737	1 821	2 324	2 478	8 360
1989 ---	620	652	733	602	610	857	595	860	979	963	888	737	2 005	2 069	2 434	2 588	9 096
1990 ---	616	706	748	531	605	844	619	779	1 057	1 030	1 022	820	2 070	1 980	2 455	2 872	9 377
1991 ---	699	710	795	680	701	815	729	991	1 284	1 250	1 234	886	2 204	2 196	3 004	3 370	10 774
Seasonally Adjusted—Millions of Dollars																	
1982 ---	611	672	721	662	698	681	706	628	652	600	608	621	2 004	2 041	1 986	1 829	(X)
1983 ---	654	701	670	766	757	783	778	704	764	799	758	786	2 025	2 306	2 246	2 343	(X)
1984 ---	847	794	818	788	917	777	802	833	795	825	841	884	2 459	2 482	2 430	2 550	(X)
1985 ---	894	946	949	977	963	908	976	922	919	954	990	1 038	2 789	2 848	2 817	2 982	(X)
1986 ---	1 028	1 049	1 052	1 054	1 011	1 043	1 057	1 017	994	973	857	847	3 129	3 108	3 068	2 677	(X)
1987 ---	819	727	582	684	773	666	555	599	624	601	630	594	2 128	2 123	1 778	1 825	(X)
1988 ---	617	627	628	617	802	612	689	752	760	711	752	727	1 872	2 031	2 201	2 190	(X)
1989 ---	722	719	750	762	757	777	745	828	742	771	731	763	2 191	2 296	2 315	2 265	(X)
1990 ---	731	784	771	675	754	767	783	746	798	817	831	854	2 286	2 196	2 327	2 502	(X)
1991 ---	843	786	822	865	876	741	925	947	970	986	1 002	922	2 451	2 482	2 842	2 910	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-14.8	10.0	7.3	-8.2	5.4	-2.4	3.7	-11.0	3.8	-8.0	1.3	2.1	-5.6	1.8	-2.7	-7.9	(X)
1983 ---	5.3	7.2	-4.4	14.3	-1.2	3.4	-6	-9.5	8.5	4.6	-5.1	3.7	10.7	13.9	-2.6	4.3	(X)
1984 ---	7.8	-6.3	3.0	-3.7	16.4	-15.3	3.2	3.9	-4.6	3.8	1.9	5.1	5.0	9	-2.1	4.9	(X)
1985 ---	1.1	5.8	3	3.0	-1.4	-5.7	7.5	-5.5	-3	3.8	3.8	4.8	9.4	2.1	-1.1	5.9	(X)
1986 ---	-1.0	2.0	3	2	-4.1	3.2	1.3	-3.8	-2.3	-2.1	-11.9	-1.2	4.9	-7	-1.3	-12.7	(X)
1987 ---	-3.3	-11.2	-19.9	17.5	13.0	-13.8	-16.7	7.9	4.2	-3.7	4.8	-5.7	-20.5	-2	-16.3	2.6	(X)
1988 ---	3.9	1.6	2	-1.8	30.0	-23.7	12.6	9.1	1.1	-6.4	5.8	-3.3	2.6	8.5	8	-5	(X)
1989 ---	-7	-4	4.3	1.6	-7	2.6	-4.1	11.1	-10.4	3.9	-5.2	4.4	-	4.8	8	-2.2	(X)
1990 ---	-4.2	7.3	-1.7	-12.5	11.7	1.7	2.1	-4.7	7.0	2.4	1.7	2.8	9	-3.9	6.0	7.5	(X)
1991 ---	-1.3	-6.8	4.6	5.2	1.3	-15.4	24.8	2.4	2.4	1.6	1.6	-8.0	-2.0	1.3	14.5	2.4	(X)
COMMUNICATION EQUIPMENT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 848	2 147	2 332	2 273	2 093	2 317	1 989	1 987	2 193	2 115	2 056	2 269	6 327	6 683	6 169	6 440	25 619
1983 ---	1 863	2 141	2 420	2 213	2 187	2 574	1 936	2 034	2 418	2 254	2 504	2 782	6 424	6 974	6 388	7 540	27 326
1984 ---	2 053	2 432	2 826	2 502	2 687	2 845	2 304	2 655	2 650	2 762	2 872	3 243	7 311	8 034	7 609	8 877	31 831
1985 ---	2 535	2 941	3 102	2 849	2 939	3 054	2 583	2 820	3 111	3 002	3 056	3 382	8 578	8 842	8 514	9 440	35 374
1986 ---	2 386	2 867	3 008	2 776	2 657	2 999	2 455	2 664	3 110	2 801	2 866	3 377	8 261	8 432	8 229	9 044	33 966
1987 ---	2 220	2 656	3 144	2 622	2 606	3 089	2 486	2 750	3 174	2 717	2 964	3 573	8 020	8 317	8 410	9 254	34 001
1988 ---	2 395	2 940	3 406	2 778	2 838	3 477	2 544	2 980	3 347	2 728	2 943	3 717	8 741	9 093	8 871	9 388	36 093
1989 ---	2 474	2 708	3 232	2 941	2 963	3 333	2 383	2 839	3 209	2 640	2 935	3 461	8 414	9 237	8 431	9 036	35 118
1990 ---	2 561	3 256	3 276	3 105	3 090	3 412	2 796	3 140	3 520	3 194	3 179	3 923	9 093	9 607	9 456	10 296	38 452
1991 ---	2 866	3 229	3 526	3 104	3 412	3 725	2 920	3 280	3 928	3 239	3 616	4 397	9 621	10 241	10 128	11 252	41 242
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 091	2 134	2 115	2 237	2 090	2 158	2 241	2 120	2 120	2 135	2 075	2 065	6 340	6 485	6 481	6 275	(X)
1983 ---	2 135	2 133	2 203	2 199	2 193	2 408	2 194	2 163	2 319	2 277	2 496	2 480	6 471	6 800	6 676	7 253	(X)
1984 ---	2 384	2 434	2 580	2 519	2 715	2 664	2 632	2 810	2 515	2 800	2 829	2 823	7 398	7 898	7 957	8 452	(X)
1985 ---	2 997	2 957	2 836	2 915	2 997	2 853	2 975	2 962	2 912	3 064	2 996	2 880	8 790	8 765	8 849	8 940	(X)
1986 ---	2 858	2 906	2 754	2 886	2 726	2 779	2 847	2 776	2 879	2 897	2 809	2 819	8 518	8 391	8 502	8 525	(X)
1987 ---	2 684	2 712	2 884	2 747	2 687	2 832	2 895	2 847	2 913	2 858	2 922	2 950	8 280	8 266	8 655	8 730	(X)
1988 ---	2 894	3 019	3 128	2 911	2 916	3 164	2 974	3 081	3 056	2 927	2 910	3 032	9 041	8 991	9 111	8 869	(X)
1989 ---	2 977	2 792	2 971	3 088	3 023	3 019	2 797	2 929	2 922	2 875	2 913	2 810	8 740	9 130	8 648	8 598	(X)
1990 ---	3 044	3 369	3 022	3 272	3 118	3 081	3 295	3 242	3 209	3 505	3 153	3 220	9 435	9 471	9 746	9 878	(X)
1991 ---	3 373	3 348	3 265	3 263	3 425	3 368	3 450	3 391	3 591	3 570	3 586	3 576	9 986	10 056	10 432	10 732	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	10.2	2.1	-9	5.8	-6.6	3.3	3.8	-5.4	-	7	-2.8	-5	7.0	2.3	-1	-3.2	(X)
1983 ---	3.4	-1	3.3	-2	-3	9.8	-8.9	-1.4	7.2	-1.8	9.6	-6	3.1	5.1	-1.8	8.6	(X)
1984 ---	-3.9	2.1	6.0	-2.4	7.8	-1.9	-1.2	6.8	-10.5	11.3	1.0	-2	2.0	6.8	7	6.2	(X)
1985 ---	6.2	-1.3	-4.1	2.8	2.8	-4.8	4.3	-4	-1.7	5.2	-2.2	-3.9	4.0	-3	1.0	1.0	(X)
1986 ---	-8	1.7	-5.2	4.8	-5.5	4.9	2.4	-2.5	3.7	6	-3.0	4	-4.7	-1.5	1.3	3	(X)
1987 ---	-4.8	1.0	6.3	-4.8	-2.2	5.4	2.2	-1.7	2.3	-1.9	2.2	1.0	-2.9	-2	4.7	9	(X)
1988 ---	-1.9	4.3	3.6	-6.9	-2	8.5	-6.0	3.6	-8	-4.2	-6	4.2	3.6	-6	1.3	-2.7	(X)
1989 ---	-1.8	-6.2	6.4	3.9	-2.1	-1	-7.4	4.7	-2	-1.6	1.3	-3.5	-1.5	4.5	-5.3	-6	(X)
1990 ---	8.3	10.7	-10.3	8.3	-4.7	-1.2	6.9	-1.6	-1.0	9.2	-10.0	2.1	9.7	4	2.9	1.4	(X)
1991 ---	4.8	-7	-2.5	-1	5.0	-1.7	2.4	-1.7	5.9	-6	4	-3	1.1	7	3.7	2.9	(X)

See footnotes at end of table



## 12 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
ELECTRONIC COMPONENTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 517	2 759	2 852	2 911	2 829	2 990	2 596	2 727	2 944	2 702	2 799	2 582	8 128	8 730	8 267	8 083	33 208
1983 ---	2 592	2 897	3 085	2 834	3 005	3 159	2 605	3 020	3 397	3 252	3 347	3 124	8 574	8 998	9 022	9 723	36 317
1984 ---	3 274	3 684	3 805	3 879	3 891	4 194	3 601	4 012	4 319	4 040	3 923	3 863	10 763	11 964	11 932	11 826	46 485
1985 ---	3 445	3 763	3 834	3 650	3 553	3 798	3 166	3 419	3 581	3 434	3 449	3 082	11 042	11 001	10 166	9 965	42 174
1986 ---	3 089	3 522	3 684	3 573	3 465	3 586	3 144	3 374	3 695	3 485	3 564	3 503	10 295	10 624	10 213	10 552	41 684
1987 ---	3 525	3 933	4 179	3 922	3 932	4 350	4 041	4 368	4 614	4 415	4 543	4 436	11 637	12 204	13 023	13 394	50 258
1988 ---	4 233	4 768	4 834	4 726	4 712	5 072	4 514	4 840	5 209	4 754	4 704	4 633	13 835	14 510	14 563	14 091	56 999
1989 ---	4 643	4 963	5 303	5 057	4 902	5 281	4 535	4 972	5 388	5 002	5 042	4 825	14 909	15 240	14 895	14 869	59 913
1990 ---	4 733	5 114	5 320	5 014	5 154	5 320	4 718	5 167	5 289	5 073	5 140	4 802	15 167	15 488	15 174	15 015	60 844
1991 ---	4 571	5 173	5 277	5 110	5 290	5 405	4 874	5 204	5 424	5 247	5 376	5 089	15 021	15 805	15 502	15 712	62 040
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 688	2 674	2 738	2 810	2 790	2 824	2 841	2 790	2 786	2 699	2 799	2 755	8 100	8 424	8 417	8 253	(X)
1983 ---	2 780	2 822	2 958	2 741	2 967	2 973	2 853	3 075	3 203	3 252	3 343	3 331	8 560	8 681	9 131	9 926	(X)
1984 ---	3 533	3 597	3 633	3 771	3 853	3 941	3 943	4 065	4 071	4 043	3 915	4 106	10 763	11 565	12 079	12 064	(X)
1985 ---	3 730	3 675	3 645	3 567	3 535	3 572	3 461	3 450	3 374	3 443	3 441	3 256	11 050	10 674	10 285	10 140	(X)
1986 ---	3 346	3 442	3 488	3 513	3 467	3 377	3 429	3 392	3 482	3 501	3 557	3 681	10 276	10 357	10 303	10 739	(X)
1987 ---	3 810	3 849	3 950	3 873	3 947	4 109	4 391	4 378	4 347	4 446	4 530	4 648	11 609	11 929	13 116	13 624	(X)
1988 ---	4 561	4 676	4 568	4 690	4 734	4 803	4 886	4 834	4 913	4 790	4 682	4 848	13 805	14 227	14 633	14 320	(X)
1989 ---	4 997	4 875	5 028	5 036	4 914	5 012	4 891	4 951	5 086	5 038	5 009	5 051	14 900	14 962	14 928	15 098	(X)
1990 ---	5 093	5 036	5 057	5 002	5 157	5 050	5 078	5 135	5 001	5 101	5 098	5 032	15 186	15 209	15 214	15 231	(X)
1991 ---	4 926	5 103	5 022	5 098	5 285	5 131	5 243	5 170	5 130	5 270	5 329	5 338	15 051	15 514	15 543	15 937	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.9	-5	2.4	2.6	-7	1.2	-6	-1.8	-1	-3.1	3.7	-1.6	6.1	4.0	-1	-1.9	(X)
1983 ---	9	1.5	4.8	-7.3	8.2	2	-4.0	7.8	4.2	1.5	2.8	-4	3.7	1.4	5.2	8.7	(X)
1984 ---	6.1	1.8	1.0	3.8	2.2	2.3	1	3.1	1	-7	-3.2	4.9	8.4	7.5	4.4	-1	(X)
1985 ---	-9.2	-1.5	-8	-2.1	-9	1.0	-3.1	-3	-2.2	2.0	-1	-5.4	-8.4	-3.4	-3.6	-1.4	(X)
1986 ---	2.8	2.9	1.3	7	-1.3	-2.6	1.5	-1.1	2.7	5	1.6	3.5	1.3	8	-5	4.2	(X)
1987 ---	3.5	1.0	2.6	-1.9	1.9	4.1	6.9	-3	-7	2.3	1.9	2.6	8.1	2.8	10.0	3.9	(X)
1988 ---	-1.9	2.5	-2.3	2.7	9	1.5	1.7	-1.1	1.6	-2.5	-2.3	3.5	1.3	3.1	2.9	-2.1	(X)
1989 ---	3.1	-2.4	3.1	2	-2.4	2.0	-2.4	1.2	2.7	-9	-6	3.8	4.1	4	-2	1.1	(X)
1990 ---	8	-1.1	4	-1.1	3.1	-2.1	6	1.1	-2.6	2.0	-1	-1.3	6	2	-	1	(X)
1991 ---	-2.1	3.6	-1.6	1.5	3.7	-2.9	2.2	-1.4	-8	2.7	1.1	2	-1.2	3.1	2	2.5	(X)
TRANSPORTATION EQUIPMENT, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	13 235	15 930	17 797	17 690	18 789	19 721	15 600	15 479	17 611	17 176	16 097	16 222	46 962	56 200	48 690	49 495	201 347
1983 ---	16 539	19 332	20 627	20 033	20 446	22 726	17 619	18 746	22 131	22 353	22 515	22 325	56 498	63 205	58 496	67 193	245 392
1984 ---	21 829	24 218	25 275	24 140	23 721	25 537	20 005	22 052	23 492	25 000	25 209	24 115	71 322	73 398	65 549	74 324	284 593
1985 ---	23 561	26 138	27 466	25 948	26 181	26 783	20 971	23 736	26 843	27 568	26 606	25 579	77 165	78 912	71 550	79 753	307 380
1986 ---	25 247	27 566	26 910	28 019	27 525	28 633	22 864	23 963	27 268	28 797	26 948	28 948	79 723	84 177	74 095	84 693	322 688
1987 ---	25 115	30 229	31 571	28 753	28 678	29 490	21 473	23 622	28 721	29 533	28 383	27 368	86 915	66 921	73 816	85 284	332 936
1988 ---	25 379	29 395	31 479	29 705	30 808	31 363	22 948	26 914	30 856	32 598	30 840	31 763	86 253	91 876	80 718	95 201	354 048
1989 ---	28 988	32 086	32 573	32 394	31 698	31 646	21 628	29 916	32 616	30 547	30 928	30 961	93 647	95 738	84 160	92 436	365 981
1990 ---	21 789	31 317	34 161	31 236	33 628	36 344	24 847	31 633	32 413	33 674	29 090	27 795	87 267	101 208	88 893	90 559	367 927
1991 ---	24 045	28 493	28 152	30 794	32 348	32 848	24 935	30 615	34 372	35 419	32 960	28 237	80 690	95 990	89 922	96 616	363 218
Seasonally Adjusted—Millions of Dollars																	
1982 ---	14 738	15 791	16 327	16 861	17 851	18 063	18 171	17 320	17 113	16 652	15 936	16 755	46 856	52 775	52 604	49 343	(X)
1983 ---	18 325	18 997	18 944	19 106	19 391	20 806	20 675	20 912	21 594	21 568	22 222	23 566	56 266	59 303	63 181	67 356	(X)
1984 ---	23 747	23 422	23 236	22 990	22 487	23 452	23 763	24 608	22 975	24 175	24 822	25 126	70 405	68 929	71 346	74 123	(X)
1985 ---	25 613	25 015	25 337	24 815	24 931	24 777	25 135	26 436	26 195	26 585	26 112	26 103	75 965	74 523	77 766	78 800	(X)
1986 ---	27 619	26 246	24 884	26 874	26 310	26 636	27 752	26 606	26 494	27 613	26 364	29 454	78 749	79 820	80 852	83 431	(X)
1987 ---	27 707	28 865	29 251	27 695	27 366	27 443	26 443	25 874	27 717	27 974	27 737	27 595	85 823	82 504	80 034	83 306	(X)
1988 ---	28 351	28 332	29 283	28 646	29 191	29 173	28 809	29 103	29 566	30 667	30 157	32 716	85 966	87 010	87 478	93 540	(X)
1989 ---	32 405	31 140	30 402	31 197	29 920	29 292	27 102	31 892	31 157	28 604	30 336	31 357	93 947	90 409	90 151	90 297	(X)
1990 ---	25 024	30 761	32 060	30 218	31 663	33 688	31 445	33 290	30 882	31 454	28 589	27 061	87 845	95 569	95 617	87 104	(X)
1991 ---	27 667	28 293	26 439	29 877	30 488	30 439	31 561	31 948	32 724	33 222	32 495	28 778	82 399	90 804	96 233	94 495	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-8.4	7.1	3.4	3.3	5.9	1.2	-6	-4.7	-1.2	-4.3	5.1	-4.4	12.6	-3	-6.2	(X)	
1983 ---	9.4	3.7	-3	9	1.5	7.3	-6	1.1	3.3	-1	3.0	6.0	14.0	5.4	6.5	6.6	(X)
1984 ---	6	-1.4	-8	-1.1	-2.2	4.3	1.3	3.6	-6.6	5.2	2.7	1.2	4.5	-2.1	3.5	3.9	(X)
1985 ---	1.9	-2.3	1.3	-2.1	5	-6	1.4	5.2	-9	1.5	-1.8	-	2.5	-1.9	4.4	1.3	(X)
1986 ---	5.8	-5.0	-5.2	8.0	-2.1	1.2	4.2	-4.1	-4	4.2	-4.5	11.7	-1	1.4	1.3	3.2	(X)
1987 ---	-5.9	4.2	1.3	-5.3	-1.2	3	-3.6	-2.2	7.1	9	-8	-5	2.9	-3.9	-3.0	4.1	(X)
1988 ---	2.7	-1	3.4	-2.2	1.9	-1	-1.2	1.0	1.6	3.7	-1.7	6.5	3.2	1.2	5	6.9	(X)
1989 ---	-1.0	-3.9	-2.4	2.6	-4.1	-2.1	-7.5	17.7	-2.3	-8.2	6.1	3.4	4	-3.8	-3	2	(X)
1990 ---	-20.2	22.9	4.2	-5.7	4.8	6.4	-6.7	5.9	-7.2	1.9	-9.1	-5.3	-2.7	8.8	1	-8.9	(X)
1991 ---	2.2	2.3	-6.6	13.0	2.0	-2	3.7	1.2	2.4	1.5	-2.2	-11.4	-5.4	10.2	6.0	-1.8	(X)



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MOTOR VEHICLES AND PARTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	7 369	8 763	10 058	10 619	11 005	11 547	8 572	8 712	9 863	9 635	8 471	7 656	26 190	33 171	27 147	25 762	112 270
1983	9 778	11 608	11 945	11 902	12 714	13 631	10 245	11 272	13 680	14 582	14 262	12 677	33 331	38 247	35 197	41 521	148 296
1984	14 839	16 158	16 802	15 840	15 553	16 308	12 228	14 026	14 379	16 169	16 198	13 493	47 799	47 701	40 633	45 860	181 993
1985	16 012	17 032	17 554	16 732	17 407	16 787	12 357	14 352	17 207	17 508	17 008	13 489	50 598	50 926	43 916	48 005	193 445
1986	17 187	17 776	16 889	18 156	17 375	17 834	12 824	14 379	17 048	17 788	15 935	15 619	51 852	53 365	44 252	49 342	198 811
1987	16 681	20 165	19 748	18 400	18 488	17 976	11 772	14 140	17 292	19 062	17 995	14 204	56 594	54 864	43 204	51 261	205 923
1988	16 411	18 958	19 459	19 227	20 095	19 709	13 035	16 492	19 366	21 385	19 696	17 743	54 828	59 031	48 893	58 824	221 576
1989	19 979	21 400	20 933	21 332	20 443	18 846	11 255	18 282	19 232	19 348	19 498	15 818	61 572	60 621	48 769	54 664	225 626
1990	12 259	19 299	20 679	19 287	21 453	21 996	13 360	19 047	18 693	21 294	16 385	11 212	52 237	62 736	51 100	48 891	214 964
1991	14 280	15 918	14 801	17 743	19 523	18 415	13 307	17 903	19 588	22 117	19 201	13 583	44 999	55 681	50 798	54 901	206 379
Seasonally Adjusted—Millions of Dollars																	
1982	7 781	8 519	9 070	9 849	10 043	10 410	10 698	10 121	9 654	8 954	8 321	9 149	25 370	30 302	30 473	26 424	(X)
1983	10 262	11 169	10 798	11 004	11 612	12 287	12 835	12 916	13 437	13 778	14 000	15 164	32 229	34 903	39 188	42 942	(X)
1984	15 476	15 242	15 238	14 649	14 221	14 799	15 498	15 998	14 153	15 332	15 894	16 108	45 956	43 669	45 649	47 334	(X)
1985	16 610	15 743	15 963	15 500	15 982	15 426	15 914	16 343	16 881	16 488	16 611	16 001	48 316	46 908	49 138	49 100	(X)
1986	17 842	16 262	15 445	16 845	15 959	16 571	16 908	16 318	16 614	16 515	15 470	18 444	49 549	49 375	49 840	50 429	(X)
1987	17 425	18 488	18 161	17 121	16 965	16 748	15 865	15 766	16 717	17 451	17 442	16 805	54 074	50 834	48 348	51 698	(X)
1988	17 274	17 521	18 033	17 925	18 341	18 379	17 892	18 039	18 608	19 239	19 067	21 230	52 828	54 645	54 539	59 536	(X)
1989	21 265	19 974	18 866	19 907	18 536	17 497	15 630	19 604	18 487	17 152	18 956	19 137	60 105	55 940	53 721	55 245	(X)
1990	13 100	18 179	19 448	18 027	19 335	20 471	18 673	20 032	17 989	18 695	15 936	13 738	50 727	57 833	56 684	48 369	(X)
1991	15 346	15 073	13 991	16 584	17 523	17 162	18 636	18 555	18 836	19 405	18 679	16 716	44 410	51 269	56 027	54 800	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-10.8	9.5	6.5	8.6	2.0	3.7	2.8	-5.4	-4.6	-7.3	-7.1	10.0	-7.0	19.4	.6	-13.3	(X)
1983	12.2	8.8	-3.3	1.9	5.5	5.8	4.5	.6	4.0	2.5	1.6	8.3	22.0	8.3	12.3	9.6	(X)
1984	2.1	-1.5	-	-3.9	-2.9	4.1	4.7	3.2	-11.5	8.3	3.7	1.3	7.0	-5.0	4.5	3.7	(X)
1985	3.1	-5.2	1.4	-2.9	3.1	-3.5	3.2	2.7	3.3	-2.3	.7	-3.7	2.1	-2.9	4.8	-1	(X)
1986	11.5	-8.9	-5.0	9.1	-5.3	3.8	2.0	-3.5	1.8	-6	-6.3	19.2	.9	-4	9	1.2	(X)
1987	-5.5	6.1	-1.8	-5.7	-9	-1.3	-5.3	-6	6.0	4.4	-1	-3.7	7.2	-6.0	-4.9	6.9	(X)
1988	2.8	1.4	2.9	-6	2.3	.2	-2.6	.8	3.2	3.4	-9	11.3	2.2	3.4	-2	9.2	(X)
1989	2	-6.1	-5.5	5.5	-6.9	-5.6	-10.7	25.4	-5.7	-7.2	10.5	1.0	1.0	-6.9	-4.0	2.8	(X)
1990	-31.5	38.8	7.0	-7.3	7.3	5.9	-8.8	7.3	-10.2	3.9	-14.8	-13.8	-8.2	14.0	-2.0	-14.7	(X)
1991	11.7	-1.8	-7.2	18.5	5.7	-2.1	8.6	-4	1.5	3.0	-3.7	-10.5	-8.2	15.4	9.3	-2.2	(X)
AIRCRAFT, MISSILES, SPACE VEHICLES, AND PARTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	4 362	5 257	5 628	5 153	5 832	6 180	5 080	5 004	5 840	5 762	5 760	6 567	15 247	17 165	15 924	18 089	66 425
1983	5 237	5 943	6 801	6 208	5 961	7 155	5 597	5 764	6 517	5 914	6 493	7 377	17 981	19 324	17 878	19 784	74 967
1984	5 284	6 194	6 435	6 223	6 209	7 093	5 855	6 119	7 197	6 839	7 189	8 498	17 913	19 525	19 171	22 526	79 135
1985	5 849	7 194	7 868	7 174	6 787	8 031	6 823	7 485	8 453	8 149	7 818	10 306	20 911	21 992	22 161	26 273	91 337
1986	6 489	7 997	8 142	7 907	8 335	8 934	8 244	7 776	8 435	9 044	9 219	11 310	22 628	25 176	24 455	29 573	101 832
1987	6 738	8 125	9 800	8 329	8 227	9 415	7 893	7 524	9 326	8 506	8 676	11 031	24 663	25 971	24 743	28 213	103 590
1988	7 129	8 383	9 963	8 307	8 578	9 465	8 099	8 411	9 386	9 168	9 191	11 666	25 475	26 350	25 896	30 025	107 746
1989	7 112	8 533	10 083	8 722	8 928	10 755	8 360	9 222	11 049	9 921	9 313	12 479	25 728	28 405	28 631	30 713	113 477
1990	7 586	9 844	10 644	9 567	9 849	11 994	9 415	10 253	11 291	9 899	10 586	14 266	28 074	31 410	30 959	34 751	125 194
1991	7 853	10 507	10 849	10 632	10 428	12 117	9 588	10 461	12 340	10 874	11 580	12 469	29 209	33 177	32 389	34 923	129 698
Seasonally Adjusted—Millions of Dollars																	
1982	5 291	5 330	5 228	5 196	5 868	5 744	5 494	5 403	5 542	5 920	5 626	5 696	15 849	16 808	16 439	17 242	(X)
1983	6 358	6 019	6 350	6 296	6 036	6 662	6 035	6 250	6 205	5 943	6 336	6 283	18 727	18 994	18 490	18 562	(X)
1984	6 384	6 296	6 049	6 381	6 338	6 604	6 305	6 667	6 879	6 867	6 982	7 062	18 729	19 323	19 851	20 911	(X)
1985	7 102	7 329	7 416	7 378	6 970	7 463	7 382	8 159	7 508	8 217	7 596	8 351	21 847	21 811	23 049	24 164	(X)
1986	8 030	8 175	7 660	8 199	8 567	8 273	8 982	8 445	8 071	9 190	8 968	9 052	23 865	25 039	25 498	27 210	(X)
1987	8 406	8 421	9 198	8 682	8 488	8 675	8 677	8 117	8 880	8 637	8 453	8 693	26 025	25 845	25 674	25 783	(X)
1988	9 006	8 733	9 322	8 687	8 769	8 680	8 979	9 031	8 861	9 463	9 005	9 213	27 061	26 136	26 871	27 681	(X)
1989	9 013	8 980	9 376	9 079	9 135	9 807	9 311	9 867	10 367	9 269	9 127	9 683	27 369	28 021	29 545	28 079	(X)
1990	9 718	10 362	9 909	9 934	10 070	10 924	10 528	10 922	10 519	10 358	10 432	11 121	29 989	30 928	31 969	31 911	(X)
1991	10 120	11 111	10 052	10 959	10 620	11 023	10 713	11 142	11 505	11 466	11 521	9 909	31 283	32 602	33 360	32 896	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-4.4	.7	-1.9	-6	12.9	-2.1	-4.4	-1.7	2.6	6.8	-5.0	1.2	-2.4	6.1	-2.2	4.9	(X)
1983	11.6	-5.3	5.5	-9	-4.1	10.4	-9.4	3.6	-7	-4.2	6.6	-8	8.6	1.4	-2.7	.4	(X)
1984	1.6	-1.4	-3.9	5.5	-7	4.2	-4.5	5.7	3.2	-2	1.7	1.1	.9	3.2	2.7	5.3	(X)
1985	6	3.2	1.2	-5	-5.5	7.1	-1.1	10.5	-8.0	9.4	-7.6	9.9	4.5	-2	5.7	4.8	(X)
1986	-3.8	1.8	-6.3	7.0	4.5	-3.4	8.6	-6.0	-4.4	13.9	-2.4	.9	-1.2	4.9	1.8	6.7	(X)
1987	-7.1	2	9.2	-5.6	-2.2	2.2	-	-6.5	9.4	-2.7	-2.1	2.8	-4.4	-7	-7	.4	(X)
1988	3.6	-3.0	6.7	-6.8	.9	-1.0	3.4	.6	-1.9	6.8	-4.8	2.3	5.0	-3.4	2.8	3.0	(X)
1989	-2.2	-4	4.4	-3.2	.6	7.4	-5.1	6.0	5.1	-10.6	-1.5	6.1	-1.1	2.4	5.4	-5.0	(X)
1990	4	6.6	-4.4	3	1.4	8.5	-3.6	3.7	-3.7	-1.5	.7	6.6	6.8	3.1	3.4	-2	(X)
1991	-9.0	9.8	-9.5	9.0	-3.1	3.8	-2.8	4.0	3.3	-3	.5	-14.0	-2.0	4.2	2.3	-1.4	(X)



## 14 CURRENT INDUSTRIAL REPORTS

Table 1. Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Merch	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
SHIPBUILDING AND TANKS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	773	1 048	1 174	990	1 125	1 184	1 183	1 039	1 207	1 043	1 214	1 338	2 995	3 299	3 429	3 595	13 318
1983 ---	875	1 130	1 096	1 014	1 002	1 084	1 028	949	1 155	1 065	1 043	1 477	3 101	3 100	3 132	3 585	12 918
1984 ---	897	1 039	1 092	1 085	1 046	1 118	1 032	1 059	1 045	1 136	1 056	1 375	3 028	3 249	3 136	3 567	12 980
1985 ---	901	1 125	1 093	1 026	1 096	1 060	959	1 031	964	967	1 009	1 047	3 119	3 182	2 954	3 023	12 278
1986 ---	757	899	884	857	911	915	900	915	862	910	935	1 146	2 540	2 683	2 677	2 991	10 891
1987 ---	716	981	873	907	915	1 004	859	916	951	854	844	1 206	2 570	2 826	2 726	2 904	11 026
1988 ---	853	930	842	856	924	888	804	837	969	813	870	1 353	2 625	2 668	2 610	3 036	10 939
1989 ---	761	953	948	883	929	911	876	1 053	977	828	995	1 473	2 662	2 723	2 906	3 296	11 587
1990 ---	811	940	1 166	962	1 031	1 115	1 000	1 083	1 098	1 147	1 043	1 306	2 917	3 108	3 181	3 486	12 702
1991 ---	991	1 039	1 113	1 209	1 166	1 138	1 048	1 096	1 160	1 248	1 064	1 128	3 143	3 513	3 304	3 440	13 400
Seasonally Adjusted—Millions of Dollars																	
1982 ---	909	1 072	1 161	1 021	1 138	1 131	1 219	1 059	1 196	1 040	1 245	1 122	3 142	3 290	3 474	3 407	(X)
1983 ---	1 031	1 138	1 082	1 052	1 006	1 050	1 066	967	1 148	1 059	1 056	1 167	3 251	3 108	3 181	3 282	(X)
1984 ---	1 053	1 028	1 079	1 129	1 048	1 089	1 077	1 074	1 045	1 135	1 064	1 075	3 160	3 266	3 196	3 274	(X)
1985 ---	1 085	1 128	1 086	1 079	1 117	1 036	1 005	1 040	966	1 014	870	3 299	3 232	3 009	2 850	2 500	(X)
1986 ---	917	890	879	896	912	899	946	919	864	905	935	910	2 686	2 707	2 729	2 750	(X)
1987 ---	874	973	866	946	910	988	906	917	950	844	840	991	2 713	2 844	2 773	2 675	(X)
1988 ---	1 049	930	840	891	929	875	852	838	961	808	866	1 071	2 819	2 695	2 651	2 745	(X)
1989 ---	937	965	948	922	928	898	930	1 059	962	821	1 000	1 116	2 850	2 748	2 951	2 937	(X)
1990 ---	995	965	1 172	1 005	1 045	1 092	1 065	1 096	1 073	1 136	1 047	1 016	3 132	3 142	3 234	3 199	(X)
1991 ---	1 212	1 064	1 111	1 261	1 188	1 113	1 121	1 111	1 134	1 236	1 076	903	3 387	3 562	3 366	3 215	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-7.9	17.9	8.3	-12.1	11.5	-6	7.8	-13.1	12.9	-13.0	19.7	-9.9	2.4	4.7	5.6	-1.9	(X)
1983 ---	-8.1	10.4	-4.9	-2.8	-4.4	4.4	1.5	-9.3	18.7	-7.8	-3	10.5	-4.6	-4.4	2.3	3.2	(X)
1984 ---	-9.8	-2.4	5.0	4.6	-7.2	3.9	-1.1	-3	-2.7	8.6	-6.3	1.0	-3.7	3.4	-2.1	2.4	(X)
1985 ---	-9	4.0	-3.7	-6	3.5	-7.3	-3.0	3.5	-7.3	2	5.0	-14.2	8	-2.0	-6.9	-5.3	(X)
1986 ---	5.4	-2.9	-1.2	1.9	1.8	-1.4	5.2	-2.9	-6.0	4.7	3.3	-2.7	-5.8	8	8	8	(X)
1987 ---	-4.0	11.3	-11.0	9.2	-3.8	8.6	-8.3	-1.2	3.6	-11.2	-5	18.0	-1.3	4.8	-2.5	-3.5	(X)
1988 ---	5.9	-11.3	-9.7	6.1	4.3	-5.8	-2.6	-1.6	14.7	-15.7	7.2	23.7	5.4	-4.4	-1.6	3.5	(X)
1989 ---	-12.5	3.0	-1.8	-2.7	7	-3.2	3.6	13.9	-9.2	-14.7	21.8	11.6	3.8	-3.6	7.4	-5	(X)
1990 ---	-10.8	-3.0	21.5	-14.2	4.0	4.5	-2.5	2.9	-2.1	5.9	-7.8	-3.0	6.6	3	2.9	-1.1	(X)
1991 ---	19.3	-12.2	4.4	13.5	-5.8	-6.3	7	-9	2.1	9.0	-12.9	-16.1	5.9	5.2	-5.5	-4.5	(X)
INSTRUMENTS AND RELATED PRODUCTS, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	5 316	6 026	6 580	6 116	6 286	6 815	5 729	6 179	6 886	6 300	6 233	6 452	17 922	19 217	18 794	18 985	74 918
1983 ---	5 775	6 227	6 732	6 274	6 279	7 122	6 037	6 350	7 214	6 980	7 044	7 603	18 734	19 675	19 601	21 827	79 637
1984 ---	6 271	6 882	7 810	7 258	7 481	8 044	6 839	7 353	7 965	7 585	7 606	8 304	20 963	22 783	22 157	23 495	89 398
1985 ---	6 922	7 900	8 367	7 664	7 964	8 593	7 297	7 879	8 464	8 106	8 248	8 803	23 189	24 221	23 640	25 157	96 207
1986 ---	7 268	8 118	8 692	7 975	8 065	8 995	7 657	8 205	9 071	8 718	8 655	9 379	24 078	25 035	24 833	26 752	100 798
1987 ---	7 328	8 545	9 536	8 414	8 559	9 714	8 233	8 718	9 939	9 063	9 180	10 096	25 409	26 687	26 890	28 339	107 325
1988 ---	7 762	8 887	10 071	9 160	9 099	10 518	8 921	9 238	10 657	9 485	9 539	11 211	26 700	28 777	28 816	30 235	114 528
1989 ---	8 600	9 453	10 522	9 085	9 658	10 462	8 706	9 597	10 728	10 066	10 223	11 185	28 775	29 206	29 031	31 474	118 486
1990 ---	9 093	9 882	10 868	9 678	10 428	11 038	9 432	10 062	10 958	10 556	10 622	11 160	29 843	31 144	30 452	32 338	123 777
1991 ---	9 069	9 830	10 557	9 966	10 287	11 132	9 420	10 334	10 981	10 500	10 751	11 118	29 456	31 385	30 735	32 369	123 945
Seasonally Adjusted—Millions of Dollars																	
1982 ---	5 875	6 083	6 132	6 211	6 334	6 317	6 345	6 358	6 499	6 204	6 243	6 234	18 090	18 862	18 202	18 681	(X)
1983 ---	6 403	6 283	6 298	6 384	6 323	6 604	6 669	6 531	6 809	6 904	7 044	7 265	18 984	19 311	20 009	21 213	(X)
1984 ---	6 971	6 960	7 328	7 428	7 549	7 450	7 536	7 569	7 498	7 536	7 604	7 825	21 559	22 427	22 604	22 965	(X)
1985 ---	7 771	7 990	7 838	7 880	8 076	7 959	8 033	8 118	7 941	8 082	8 209	8 190	23 599	23 915	24 092	24 481	(X)
1986 ---	8 213	8 251	8 127	8 254	8 217	8 321	8 424	8 458	8 474	8 680	8 580	8 639	24 591	24 792	25 357	25 909	(X)
1987 ---	8 335	8 737	8 894	8 765	8 736	8 878	9 056	8 984	9 275	9 038	9 108	9 241	25 966	26 479	27 315	27 387	(X)
1988 ---	8 817	9 118	9 372	9 581	9 268	9 724	9 801	9 522	9 948	9 442	9 426	10 253	27 307	28 573	29 271	29 121	(X)
1989 ---	9 988	9 777	8 811	9 527	9 789	9 678	9 542	9 902	10 047	10 006	10 083	10 231	29 576	28 994	29 491	30 320	(X)
1990 ---	10 282	10 259	10 150	10 155	10 527	10 250	10 374	10 366	10 284	10 497	10 441	10 203	30 691	30 932	31 024	31 141	(X)
1991 ---	10 209	10 199	9 840	10 474	10 345	10 356	10 344	10 638	10 343	10 451	10 569	10 255	30 248	31 175	31 325	31 275	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.2	3.5	.8	1.3	2.0	-3	.4	2.2	2.2	-4.5	.6	-1	6.4	4.3	1.8	-2.7	(X)
1983 ---	2.7	-1.9	2	1.4	-1.0	4.4	1.0	-2.1	4.3	1.4	2.0	3.1	1.6	1.7	3.6	6.0	(X)
1984 ---	-4.0	-2	5.3	1.4	1.6	-1.3	1.2	4	-9	5	9	2.9	2	5.5	8	1.6	(X)
1985 ---	-7	2.8	-1.9	.5	2.5	-1.4	9	1.1	-2.2	1.8	1.6	-2	2.8	1.3	7	1.6	(X)
1986 ---	3	.5	-1.5	1.6	-4	1.3	1.2	4	2	2.5	-1.3	7	4	8	2.3	2.2	(X)
1987 ---	-3.5	4.8	1.8	-1.5	8	2.8	9	-8	3.2	-2.6	8	1.5	2	2.0	3.2	3	(X)
1988 ---	-4.6	3.4	2.8	2.2	-3.3	4.9	8	-2.8	4.5	-5.1	-2	8.8	-3	4.6	2.4	-5	(X)
1989 ---	-2.6	-2.1	3	-2.9	2.8	-1.1	-1.4	3.8	1.5	-4	8	1.5	1.6	-2.0	1.7	2.8	(X)
1990 ---	.5	-2	-1.1	-	3.7	-2.6	1.2	-1	-8	2.1	-5	-2.3	1.2	.8	3	4	(X)
1991 ---	.1	-1	-3.5	6.4	-1.2	.1	-1	2.8	-2.8	1.0	1.1	-3.0	-2.9	3.1	.5	-2	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
SEARCH AND NAVIGATION EQUIPMENT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	1 386	1 598	1 737	1 710	1 668	1 797	1 575	1 607	1 748	1 756	1 667	1 827	4 721	5 175	4 930	5 250	20 076
1983	1 578	1 772	1 968	1 845	1 824	2 106	1 630	1 652	1 955	1 888	2 013	2 241	5 318	5 775	5 237	6 142	22 472
1984	1 647	1 921	2 226	1 994	2 070	2 241	1 816	2 041	2 142	2 148	2 242	2 641	5 794	6 305	5 999	7 031	25 129
1985	2 010	2 388	2 587	2 338	2 412	2 654	2 194	2 445	2 766	2 630	2 772	3 105	6 985	7 404	7 405	8 507	30 301
1986	2 202	2 716	2 949	2 672	2 611	3 016	2 436	2 758	3 151	2 839	3 058	3 474	7 867	8 299	8 345	9 371	33 882
1987	2 338	2 799	3 324	2 780	2 796	3 277	2 661	2 947	3 403	2 923	3 184	3 835	8 461	8 853	9 011	9 942	36 267
1988	2 335	2 750	3 345	2 834	2 816	3 428	2 653	2 827	3 591	2 814	3 115	4 088	8 430	9 078	9 071	10 017	36 596
1989	2 482	2 738	3 313	2 651	2 758	3 007	2 365	2 796	3 136	2 943	3 170	3 936	8 533	8 416	8 297	10 049	35 295
1990	2 429	2 836	3 178	2 763	3 059	3 171	2 757	2 953	3 347	3 021	3 283	3 937	8 443	8 993	9 057	10 241	36 734
1991	2 328	2 623	3 255	2 722	2 905	3 225	2 448	3 219	3 037	2 958	3 262	3 374	8 206	8 852	8 704	9 594	35 356
Seasonally Adjusted—Millions of Dollars																	
1982	1 555	1 587	1 590	1 676	1 668	1 666	1 766	1 704	1 697	1 762	1 677	1 691	4 732	5 010	5 167	5 130	(X)
1983	1 794	1 764	1 804	1 826	1 834	1 960	1 839	1 751	1 885	1 899	1 999	2 024	5 362	5 620	5 475	5 922	(X)
1984	1 903	1 923	2 038	2 004	2 101	2 086	2 069	2 152	2 038	2 170	2 191	2 320	5 864	6 191	6 259	6 681	(X)
1985	2 376	2 409	2 365	2 390	2 482	2 467	2 523	2 564	2 592	2 662	2 677	2 659	7 150	7 339	7 679	7 998	(X)
1986	2 649	2 776	2 690	2 783	2 718	2 802	2 816	2 879	2 915	2 874	2 927	2 908	8 115	8 303	8 610	8 709	(X)
1987	2 857	2 904	3 028	2 941	2 931	3 044	3 083	3 062	3 124	2 957	3 037	3 154	8 789	8 916	9 269	9 148	(X)
1988	2 881	2 905	3 029	3 036	2 949	3 190	3 081	2 931	3 296	2 842	2 935	3 323	8 815	9 175	9 308	9 100	(X)
1989	3 080	2 940	3 008	2 863	2 874	2 808	2 748	2 892	2 892	2 963	2 970	3 174	9 028	8 545	8 532	9 107	(X)
1990	3 030	3 078	2 889	3 002	3 164	2 969	3 215	3 048	3 096	3 033	3 054	3 156	8 997	9 135	9 359	9 243	(X)
1991	2 903	2 857	2 939	2 973	2 990	3 027	2 861	3 316	2 822	2 969	3 029	2 691	8 699	8 990	8 999	8 688	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	11.6	2.1	.2	5.4	-.5	-.1	6.0	-3.5	-.4	3.8	-.8	.8	12.3	5.9	3.1	-.7	(X)
1983	7.1	-1.7	2.3	1.2	.4	6.9	-6.2	-4.8	7.7	.7	5.3	1.3	4.5	4.8	-2.6	8.2	(X)
1984	-6.0	1.1	6.0	-1.7	4.8	-.7	-.8	4.0	-5.3	6.5	1.0	5.9	-1.0	5.6	1.1	6.7	(X)
1985	2.4	1.4	-1.8	1.1	3.8	-.6	2.3	1.6	1.1	2.7	.6	-.7	7.0	2.6	4.6	4.2	(X)
1986	-.4	4.8	-3.1	3.5	-2.3	3.1	.5	2.2	1.3	-1.4	1.8	-.6	1.5	2.3	3.7	1.1	(X)
1987	-1.8	1.6	4.3	-2.9	-.3	3.9	1.3	-.7	2.0	-5.3	2.7	3.9	.9	1.4	4.0	-1.3	(X)
1988	-8.7	.8	4.3	.2	-2.9	8.2	-3.4	-4.9	12.5	-13.8	3.3	13.2	-3.6	4.1	1.4	-2.2	(X)
1989	-8.7	.8	4.3	.2	-2.9	8.2	-3.4	-4.9	12.5	-13.8	3.3	13.2	-3.6	4.1	1.4	-2.2	(X)
1989	-7.3	-4.5	2.3	-4.8	.4	-2.3	-2.1	5.2	-.2	2.5	.2	6.8	-.8	-5.4	-.2	6.7	(X)
1990	-4.5	1.6	-6.1	3.9	5.4	-6.2	8.3	-5.2	1.6	-2.0	.7	3.3	-1.2	1.5	2.5	-1.2	(X)
1991	-8.0	-1.6	2.9	1.2	.6	1.2	-5.5	15.9	-14.9	5.2	2.0	-11.2	-5.9	3.3	.1	-3.4	(X)
MEASURING AND CONTROLLING DEVICES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	1 493	1 677	1 849	1 647	1 699	1 836	1 508	1 671	1 908	1 580	1 595	1 747	5 019	5 182	5 087	4 922	20 210
1983	1 584	1 686	1 772	1 647	1 647	1 837	1 637	1 744	1 964	1 875	1 822	1 991	5 042	5 131	5 345	5 688	21 206
1984	1 839	1 878	2 129	1 976	2 039	2 175	1 946	2 065	2 282	2 066	2 089	2 258	5 846	6 190	6 293	6 413	24 742
1985	1 932	2 221	2 331	2 094	2 183	2 344	1 944	2 143	2 208	2 123	2 101	2 263	6 484	6 621	6 295	6 487	25 887
1986	2 044	2 133	2 252	2 102	2 132	2 322	1 960	2 125	2 208	2 132	2 008	2 224	6 429	6 556	6 293	6 364	25 642
1987	1 904	2 154	2 337	2 078	2 097	2 327	2 026	2 127	2 375	2 205	2 116	2 296	6 395	6 502	6 528	6 617	26 042
1988	2 067	2 278	2 500	2 361	2 319	2 579	2 321	2 432	2 619	2 425	2 286	2 628	6 845	7 259	7 372	7 339	28 815
1989	2 302	2 292	2 559	2 186	2 458	2 549	2 231	2 538	2 857	2 536	2 549	2 571	7 153	7 193	7 626	7 656	29 628
1990	2 524	2 561	2 876	2 538	2 714	2 822	2 412	2 592	2 704	2 624	2 507	2 582	7 961	8 074	7 708	7 713	31 456
1991	2 382	2 509	2 658	2 523	2 519	2 752	2 364	2 497	2 735	2 650	2 606	2 655	7 549	7 794	7 596	7 911	30 850
Seasonally Adjusted—Millions of Dollars																	
1982	1 580	1 668	1 706	1 691	1 723	1 713	1 688	1 710	1 789	1 581	1 651	1 687	4 954	5 127	5 187	4 919	(X)
1983	1 678	1 677	1 647	1 692	1 668	1 715	1 819	1 776	1 843	1 883	1 890	1 915	5 003	5 075	5 438	5 688	(X)
1984	1 852	1 869	1 981	2 032	2 062	2 030	2 146	2 098	2 144	2 078	2 172	2 169	5 812	6 124	6 388	6 419	(X)
1985	2 057	2 213	2 186	2 152	2 210	2 188	2 124	2 172	2 075	2 137	2 188	2 175	6 456	6 550	6 371	6 500	(X)
1986	2 180	2 135	2 111	2 160	2 159	2 167	2 130	2 146	2 074	2 144	2 092	2 149	6 426	6 486	6 350	6 385	(X)
1987	2 030	2 172	2 186	2 135	2 119	2 174	2 194	2 139	2 233	2 211	2 204	2 232	6 388	6 428	6 566	6 647	(X)
1988	2 200	2 311	2 334	2 426	2 338	2 411	2 512	2 444	2 462	2 422	2 370	2 576	6 845	7 175	7 418	7 368	(X)
1989	2 443	2 340	2 389	2 242	2 470	2 387	2 412	2 552	2 689	2 525	2 630	2 536	7 172	7 099	7 653	7 691	(X)
1990	2 669	2 627	2 689	2 601	2 718	2 645	2 612	2 608	2 549	2 609	2 570	2 559	7 985	7 964	7 768	7 738	(X)
1991	2 509	2 583	2 489	2 587	2 513	2 581	2 565	2 510	2 585	2 633	2 663	2 638	7 581	7 681	7 660	7 934	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	1.5	5.6	2.3	-.9	1.9	-.6	-1.5	1.3	4.6	-11.6	4.4	2.2	3.8	3.5	1.2	-5.2	(X)
1983	-.5	-.1	-1.8	2.7	-1.4	2.8	6.1	-2.4	3.8	2.2	.4	1.3	1.7	1.4	7.2	4.6	(X)
1984	1.9	-4.3	6.5	2.1	1.5	-1.6	5.7	-2.2	2.2	-3.1	4.5	-.1	2.2	5.4	4.3	.5	(X)
1985	-5.2	7.6	-1.2	-1.6	2.7	-1.0	-2.9	2.3	-4.5	3.0	2.4	-.6	.6	1.5	-2.7	2.0	(X)
1986	.2	-2.1	-1.1	2.3	-.4	-.1	-1.7	.8	-3.4	3.4	-2.4	2.7	-1.1	.9	-2.1	.6	(X)
1987	-5.5	7.0	.6	-2.3	-.7	2.6	-.9	-2.5	4.4	-1.0	-.3	1.3	-.1	.6	2.1	1.2	(X)
1988	-1.4	5.0	1.0	3.9	-3.6	3.1	4.2	-2.7	7.7	-1.6	-2.1	8.7	3.0	4.8	3.4	-.7	(X)
1989	-5.2	-4.2	2.1	-6.2	10.2	-3.4	1.0	5.8	5.4	-6.1	4.2	-3.6	-2.7	-1.0	7.8	-.5	(X)
1990	5.2	-1.6	2.4	-3.3	4.5	-2.7	-1.2	-.2	-2.3	2.4	-1.5	-.4	3.8	-.3	-2.4	-.4	(X)
1991	-2.0	2.9	-3.6	3.9	-2.9	2.7	-.6	-2.1	3.0	1.9	1.1	-.9	-2.0	1.3	-.3	3.6	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MEDICAL INSTRUMENTS AND SUPPLIES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	1 054	1 201	1 344	1 210	1 269	1 382	1 146	1 269	1 466	1 216	1 227	1 349	3 599	3 861	3 881	3 792	15 133
1983	1 220	1 294	1 356	1 262	1 248	1 401	1 238	1 320	1 474	1 409	1 362	1 486	3 870	3 911	4 032	4 257	16 070
1984	1 353	1 392	1 566	1 447	1 491	1 593	1 414	1 510	1 668	1 515	1 526	1 660	4 311	4 531	4 592	4 701	18 135
1985	1 424	1 641	1 723	1 550	1 624	1 740	1 450	1 597	1 640	1 578	1 566	1 671	4 788	4 914	4 687	4 815	19 204
1986	1 518	1 581	1 674	1 567	1 597	1 742	1 493	1 632	1 711	1 685	1 610	1 812	4 773	4 906	4 836	5 107	19 622
1987	1 584	1 817	1 989	1 811	1 836	2 055	1 804	1 912	2 133	1 978	1 894	2 052	5 390	5 702	5 849	5 924	22 865
1988	1 829	2 017	2 203	2 073	2 021	2 263	2 024	2 135	2 280	2 139	2 019	2 327	6 049	6 357	6 439	6 485	25 330
1989	2 113	2 341	2 337	2 127	2 201	2 379	2 094	2 265	2 406	2 275	2 241	2 404	6 791	6 707	6 765	6 920	27 183
1990	2 305	2 478	2 643	2 435	2 593	2 737	2 472	2 608	2 753	2 631	2 645	2 634	7 426	7 765	7 833	7 910	30 934
1991	2 643	2 790	2 720	2 711	2 774	2 871	2 707	2 701	2 984	2 813	2 806	2 936	8 153	8 356	8 392	8 555	33 456
Seasonally Adjusted—Millions of Dollars																	
1982	1 121	1 191	1 243	1 242	1 288	1 289	1 278	1 299	1 379	1 213	1 270	1 300	3 555	3 819	3 956	3 783	(X)
1983	1 300	1 284	1 262	1 297	1 264	1 308	1 371	1 344	1 389	1 411	1 413	1 427	3 846	3 869	4 104	4 251	(X)
1984	1 442	1 383	1 465	1 487	1 508	1 486	1 553	1 533	1 577	1 522	1 586	1 593	4 290	4 481	4 663	4 701	(X)
1985	1 519	1 632	1 615	1 593	1 642	1 624	1 580	1 618	1 555	1 590	1 628	1 603	4 766	4 859	4 753	4 821	(X)
1986	1 620	1 572	1 570	1 612	1 617	1 625	1 616	1 650	1 626	1 700	1 675	1 742	4 762	4 854	4 892	5 117	(X)
1987	1 690	1 806	1 865	1 864	1 858	1 918	1 941	1 930	2 033	1 999	1 971	1 979	5 361	5 640	5 904	5 949	(X)
1988	1 947	2 000	2 068	2 136	2 044	2 120	2 164	2 157	2 174	2 164	2 097	2 254	6 015	6 300	6 495	6 515	(X)
1989	2 245	2 318	2 197	2 190	2 220	2 242	2 222	2 292	2 296	2 309	2 320	2 335	6 760	6 652	6 810	6 964	(X)
1990	2 443	2 447	2 491	2 509	2 608	2 592	2 612	2 641	2 629	2 676	2 726	2 564	7 381	7 709	7 882	7 966	(X)
1991	2 794	2 754	2 570	2 796	2 782	2 725	2 858	2 734	2 854	2 864	2 887	2 863	8 118	8 303	8 446	8 614	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	4.6	6.2	4.4	-1	3.7	-1	-9	1.6	6.2	-12.0	4.7	2.4	9.6	7.4	3.6	-4.4	(X)
1983	-	-1.2	-1.7	2.8	-2.5	3.5	4.8	-2.0	3.3	1.6	1	1.0	1.7	6	6.1	3.6	(X)
1984	1.1	-4.1	5.9	1.5	-1.4	-1.5	4.5	-1.3	2.9	-3.5	4.2	4	9	4.5	4.1	8	(X)
1985	-4.6	7.4	-1.0	-1.4	3.1	-1.1	-2.7	2.4	-3.9	2.3	2.4	-1.5	1.4	2.0	-2.2	1.4	(X)
1986	1.1	-3.0	-1	2.7	3	5	-6	2.1	-1.5	4.6	-1.5	4.0	-1.2	1.9	8	4.6	(X)
1987	-3.0	6.9	3.3	-1	-3	3.2	1.2	-6	5.3	-1.7	-1.4	4	4.8	5.2	4.7	8	(X)
1988	-1.6	2.7	3.4	3.3	-4.3	3.7	2.1	-3	8	-5	-3.1	7.5	1.1	4.7	3.1	3	(X)
1989	-4	3.3	-5.2	-3	1.4	1.0	-9	3.2	2	6	5	6	3.8	-1.6	2.4	2.3	(X)
1990	4.6	2	1.8	7	3.9	-6	8	1.1	-5	1.8	1.9	-5.9	6.0	4.4	2.2	1.1	(X)
1991	9.0	-1.4	-6.7	8.8	-5	-2.0	4.9	-4.3	4.4	4	8	-8	1.9	2.3	1.7	2.0	(X)
PHOTOGRAPHIC GOODS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	1 218	1 344	1 415	1 347	1 433	1 575	1 317	1 441	1 532	1 515	1 539	1 362	3 977	4 355	4 290	4 416	17 038
1983	1 217	1 264	1 413	1 305	1 356	1 565	1 327	1 420	1 603	1 597	1 661	1 710	3 894	4 226	4 350	4 968	17 438
1984	1 279	1 492	1 654	1 606	1 648	1 800	1 443	1 526	1 645	1 627	1 542	1 586	4 425	5 054	4 614	4 755	18 848
1985	1 404	1 450	1 502	1 471	1 515	1 628	1 512	1 481	1 634	1 556	1 598	1 587	4 356	4 614	4 627	4 741	18 338
1986	1 307	1 461	1 588	1 401	1 496	1 685	1 521	1 467	1 762	1 795	1 731	1 672	4 356	4 582	4 750	5 198	18 886
1987	1 325	1 559	1 636	1 510	1 589	1 806	1 518	1 492	1 758	1 666	1 720	1 662	4 520	4 905	4 768	5 048	19 241
1988	1 299	1 555	1 723	1 587	1 690	1 971	1 671	1 593	1 882	1 810	1 852	1 913	4 577	5 248	5 146	5 575	20 446
1989	1 622	1 770	1 967	1 799	1 928	2 214	1 741	1 711	2 034	1 987	1 959	2 006	5 359	5 941	5 486	5 952	22 738
1990	1 564	1 698	1 850	1 624	1 735	1 984	1 524	1 589	1 844	1 983	1 897	1 726	5 112	5 343	4 957	5 606	21 018
1991	1 473	1 596	1 599	1 697	1 752	1 926	1 553	1 578	1 851	1 754	1 737	1 810	4 668	5 375	4 982	5 301	20 326
Seasonally Adjusted—Millions of Dollars																	
1982	1 418	1 431	1 379	1 404	1 444	1 438	1 418	1 460	1 425	1 434	1 436	1 350	4 228	4 286	4 303	4 220	(X)
1983	1 411	1 346	1 383	1 361	1 362	1 422	1 425	1 451	1 492	1 517	1 553	1 682	4 140	4 145	4 368	4 752	(X)
1984	1 481	1 585	1 622	1 680	1 657	1 629	1 539	1 578	1 528	1 555	1 445	1 549	4 688	4 966	4 645	4 549	(X)
1985	1 627	1 535	1 470	1 545	1 525	1 467	1 601	1 550	1 515	1 493	1 502	1 541	4 632	4 537	4 666	4 536	(X)
1986	1 517	1 540	1 550	1 478	1 507	1 510	1 603	1 557	1 630	1 728	1 635	1 610	4 607	4 495	4 790	4 973	(X)
1987	1 540	1 639	1 590	1 602	1 600	1 606	1 600	1 605	1 625	1 604	1 627	1 590	4 769	4 808	4 830	4 821	(X)
1988	1 509	1 637	1 670	1 693	1 697	1 740	1 774	1 729	1 740	1 739	1 753	1 816	4 816	5 130	5 243	5 308	(X)
1989	1 887	1 871	1 902	1 924	1 928	1 944	1 864	1 867	1 885	1 905	1 854	1 891	5 660	5 796	5 616	5 650	(X)
1990	1 821	1 803	1 788	1 738	1 727	1 738	1 647	1 736	1 711	1 898	1 796	1 615	5 412	5 203	5 094	5 309	(X)
1991	1 719	1 699	1 544	1 818	1 741	1 686	1 685	1 726	1 720	1 676	1 644	1 687	4 962	5 245	5 131	5 007	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	4	9	-3.6	1.8	2.8	-4	-1.4	3.0	-2.4	6	1	-6.0	2.2	1.4	4	-1.9	(X)
1983	4.5	-4.6	2.7	-1.6	1	4.4	2	1.8	2.8	1.7	2.4	8.3	-1.9	1	5.4	8.8	(X)
1984	-12.0	7.0	2.3	3.6	-1.4	-1.7	-5.5	2.5	-3.2	1.8	-7.1	7.2	-1.3	5.9	-6.5	-2.1	(X)
1985	5.0	-5.7	-4.2	5.1	-1.3	-3.8	9.1	-3.2	-2.3	-1.5	6	2.6	1.8	-2.1	2.8	-2.8	(X)
1986	-1.6	1.5	6	-4.6	2.0	2	6.2	-2.9	4.7	6.0	-5.4	-1.5	1.6	-2.4	6.6	3.8	(X)
1987	-4.3	6.4	-3.0	8	-1	4	-4	3	12	-1.3	1.4	-2.3	-4.1	8	5	-2	(X)
1988	-5.1	8.5	2.0	1.4	2	2.5	2.0	-2.5	6	1	8	3.6	-1	6.5	2.2	1.2	(X)
1989	3.9	-8	1.7	1.2	2	8	-4.1	2	10	1.1	-2.7	2.0	6.6	2.4	-3.1	6	(X)
1990	-3.7	-1.0	-8	-2.8	-6	6	-5.2	5.4	-1.4	10.9	-5.4	-10.1	-4.2	-3.9	-2.1	4.2	(X)
1991	6.4	-1.2	-9.1	17.7	-4.2	-3.2	-1	2.4	-3	-2.6	-1.9	2.6	-6.5	5.7	-2.2	-2.4	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
ALL OTHER DURABLE GOODS INDUSTRIES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	6 638	7 806	8 236	8 024	7 947	8 276	7 399	8 127	8 395	8 538	7 865	6 899	22 680	24 247	23 921	23 302	94 150
1983	7 055	8 017	8 506	8 620	8 902	9 514	8 315	9 438	9 869	9 824	9 297	8 780	23 578	27 036	27 622	27 901	106 137
1984	7 990	9 615	9 940	9 801	9 741	10 380	8 948	10 218	10 374	10 799	9 588	8 931	27 545	29 922	29 540	29 318	116 322
1985	8 332	9 441	10 216	10 068	10 247	10 893	9 144	10 354	10 658	10 639	9 461	8 599	27 989	31 208	30 156	28 699	118 052
1986	9 009	10 043	10 831	11 183	10 581	11 447	9 879	10 949	11 460	11 650	10 289	9 485	29 883	33 211	32 288	31 424	126 806
1987	9 504	10 932	11 622	11 567	11 270	12 296	11 064	12 240	12 857	13 144	11 634	11 091	32 058	35 133	36 161	35 869	139 221
1988	10 253	11 652	12 452	12 710	12 143	13 027	11 367	12 305	13 185	13 254	12 203	11 607	34 357	37 880	36 857	37 064	146 158
1989	11 161	12 266	12 813	12 718	12 914	13 525	11 473	13 380	13 388	13 882	12 456	11 346	36 240	39 157	38 241	37 684	151 322
1990	11 443	12 733	13 094	12 953	13 276	13 868	11 999	13 567	13 470	13 658	12 147	10 966	37 270	40 097	39 036	36 771	153 174
1991	10 708	11 852	11 845	12 395	12 628	13 475	11 873	13 382	13 543	13 679	12 602	11 105	34 405	38 498	38 798	37 386	149 087
Seasonally Adjusted—Millions of Dollars																	
1982	7 720	7 936	7 978	7 922	7 831	7 754	7 991	7 792	7 747	7 851	8 015	7 635	23 634	23 507	23 530	23 501	(X)
1983	8 216	8 161	8 239	8 448	8 726	8 860	8 900	9 042	9 179	9 088	9 533	9 722	24 616	26 034	27 121	28 343	(X)
1984	9 279	9 813	9 623	9 582	9 570	9 644	9 608	9 784	9 672	9 996	9 988	9 869	28 715	28 796	29 064	29 753	(X)
1985	9 643	9 637	9 868	9 825	10 098	10 132	9 777	9 937	9 942	9 830	9 740	9 469	29 148	30 055	29 656	29 039	(X)
1986	10 330	10 302	10 471	10 873	10 442	10 658	10 547	10 530	10 675	10 741	10 618	10 502	31 103	31 973	31 752	31 861	(X)
1987	10 840	11 226	11 238	11 277	11 139	11 462	11 797	11 774	12 019	12 080	12 032	12 337	33 304	33 878	35 590	36 449	(X)
1988	11 629	11 948	12 133	12 421	11 983	12 132	12 114	11 821	12 335	12 170	12 513	13 016	35 710	36 536	36 270	37 699	(X)
1989	12 601	12 554	12 555	12 502	12 725	12 593	12 229	12 812	12 547	12 760	12 759	12 704	37 710	37 820	37 588	38 223	(X)
1990	12 881	13 006	12 903	12 767	13 036	12 876	12 809	12 965	12 636	12 563	12 389	12 290	38 790	38 679	38 410	37 242	(X)
1991	12 064	12 042	11 680	12 274	12 380	12 497	12 728	12 766	12 695	12 569	12 837	12 516	35 786	37 151	38 189	37 922	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	.4	2.8	.5	-.7	-1.1	-1.0	3.1	-2.5	-.6	1.3	2.1	-4.7	1.9	-.5	.1	-.1	(X)
1983	7.6	-.7	1.0	2.5	3.3	1.5	.5	1.6	1.5	-1.0	4.9	2.0	4.7	5.8	4.2	4.5	(X)
1984	-4.6	5.8	-1.9	-.4	-.1	.8	-.4	1.8	-1.1	3.3	-1.1	-.2	1.3	.3	.9	2.4	(X)
1985	-2.3	-.1	2.4	-.4	2.8	.3	-3.5	1.6	.1	-1.1	-.9	-2.8	-2.0	3.1	-1.3	-2.1	(X)
1986	9.1	-.3	1.6	3.8	-4.0	2.1	-1.0	-.2	1.4	.6	-1.1	-1.1	7.1	2.8	-.7	.3	(X)
1987	3.2	3.6	.1	.3	-1.2	2.9	2.9	-.2	2.1	.5	-.4	2.5	4.5	1.7	5.1	2.4	(X)
1988	-5.7	2.7	1.5	2.4	-3.5	1.2	-.1	-2.4	4.3	-1.3	2.8	4.0	-2.0	2.3	-.7	3.9	(X)
1989	-3.2	-.4	-.4	-.4	1.8	-1.0	-2.9	4.8	-2.1	1.7	-.4	-.4	-.3	.3	-.6	1.7	(X)
1990	1.4	1.0	-.8	-1.1	2.1	-1.2	-.5	1.2	-2.5	-.6	-1.4	-.8	1.5	-.3	-.7	-3.0	(X)
1991	-1.8	-.2	-3.0	5.1	.9	.9	1.8	3	-6	-1.0	2.1	-2.5	-3.9	3.8	2.8	-.7	(X)
NONDURABLE GOODS INDUSTRIES, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	79 268	85 288	86 060	82 747	84 542	88 642	80 294	85 078	89 395	85 300	82 725	80 334	250 616	255 931	254 767	248 359	1 009 673
1983	77 718	82 578	85 996	83 277	85 799	91 286	83 157	90 059	94 546	91 616	90 008	88 754	246 292	260 362	267 762	270 378	1 044 794
1984	85 236	91 139	95 558	92 470	92 959	97 036	88 976	94 051	97 784	94 547	91 995	91 157	271 933	282 465	280 811	277 699	1 112 908
1985	86 148	92 894	96 806	92 378	94 024	96 844	88 274	93 867	97 410	94 733	94 087	91 639	275 848	283 246	279 551	280 459	1 119 104
1986	88 407	91 994	92 137	89 788	90 171	94 672	84 784	92 068	97 488	93 508	91 549	90 456	272 538	274 631	274 340	275 513	1 097 022
1987	86 967	95 360	98 140	95 563	96 549	102 688	95 053	99 636	106 364	103 099	100 671	98 284	280 467	294 800	301 053	302 054	1 178 374
1988	94 932	101 376	105 992	103 324	103 985	110 923	101 217	108 527	113 074	109 529	107 448	106 255	302 300	318 232	322 818	323 232	1 266 582
1989	103 313	109 690	112 787	111 409	111 914	116 610	104 982	112 424	116 517	114 286	111 051	107 277	325 790	339 933	333 923	332 614	1 332 260
1990	105 568	112 167	117 142	113 392	114 618	119 616	109 563	122 157	127 437	127 193	122 409	113 596	334 877	347 626	359 157	363 198	1 404 858
1991	109 172	114 185	116 027	114 393	117 053	120 621	111 321	119 263	124 037	122 801	118 936	111 312	339 384	352 067	354 621	353 049	1 399 121
Seasonally Adjusted—Millions of Dollars																	
1982	84 722	85 589	83 878	84 045	84 618	84 844	84 331	83 883	84 649	83 301	83 104	82 383	254 189	253 507	252 863	248 788	(X)
1983	83 282	82 812	83 836	84 582	85 892	87 401	87 340	88 800	89 434	89 675	90 588	91 215	249 940	257 875	265 574	271 478	(X)
1984	91 461	91 408	93 106	93 693	93 026	93 030	93 559	93 004	92 405	92 516	92 536	93 590	275 975	279 749	278 968	278 642	(X)
1985	92 344	93 120	94 323	93 299	94 259	92 896	92 673	92 680	91 910	92 398	94 399	93 939	279 787	280 454	277 263	280 736	(X)
1986	94 722	92 267	89 831	90 728	90 678	90 663	89 299	90 960	91 793	90 983	91 819	93 039	276 820	272 069	272 052	275 841	(X)
1987	93 211	95 774	95 812	96 546	97 097	98 375	100 060	98 339	100 316	100 186	100 871	101 279	284 797	292 018	298 715	302 336	(X)
1988	101 556	101 990	103 616	104 206	104 478	106 348	106 593	106 944	106 843	106 226	107 521	109 981	307 162	315 032	320 380	323 728	(X)
1989	110 577	110 685	110 430	112 271	112 295	111 988	110 570	110 614	110 073	110 554	110 782	111 030	331 692	336 554	331 257	332 366	(X)
1990	113 028	113 713	114 890	114 367	114 961	115 056	115 473	119 936	120 378	122 677	121 809	117 725	341 631	344 384	355 787	362 211	(X)
1991	116 657	115 967	113 856	115 389	117 214	116 003	117 394	116 823	116 878	118 141	118 166	115 861	346 680	348 606	351 095	352 168	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	2.7	1.0	-2.0	.2	.7	.3	-.6	-.5	.9	-1.6	-.2	-.9	1.8	-.3	-.3	-1.6	(X)
1983	1.1	-.6	1.2	.9	1.5	1.8	-.1	1.7	.7	.3	1.0	.7	.5	3.2	3.0	2.2	(X)
1984	.3	-.1	1.9	.6	-.7	-.6	-.6	-.6	-.1	-.1	1.1	1.7	1.4	1.4	-.3	-.1	(X)
1985	-1.3	.8	1.3	-1.1	1.0	-1.4	-.2	-.8	.5	2.2	-.5	-.4	.2	-.2	-1.1	1.3	(X)
1986	.8	-2.6	-2.6	1.0	-.1	-.1	-1.5	1.9	-.9	-.9	.9	1.3	-1.4	-1.7	-.2	1.4	(X)
1987	.2	2.7	-.6	.8	.6	1.3	1.7	-1.7	2.0	-.1	.7	.4	3.2	2.5	2.3	1.2	(X)
1988	.3	.4	1.6	.6	.3	1.8	.2	.3	-.1	-.6	1.2	2.3	1.6	2.6	1.7	1.0	(X)
1989	.5	.1	-.2	1.7	-.3	-.3	-1.3	-.4	-.5	.4	.2	.2	2.5	1.5	-.6	.3	(X)
1990	1.8	.6	1.0	-.5	.5	-.1	.4	3.9	.4	1.9	-.7	-3.4	2.8	.8	3.3	1.8	(X)
1991	-.7	-.8	-1.8	1.3	1.6	-1.0	1.2	-.5	-.7	1.1	-.7	-2.0	-4.3	.6	.7	.3	(X)



18 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
NONDURABLE GOODS WITH UNFILLED ORDERS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	16 495	17 967	18 345	17 396	17 551	17 732	16 312	17 929	18 489	18 363	17 870	17 222	52 807	52 679	52 730	53 455	211 671
1983 ---	17 225	18 173	18 882	18 594	18 738	19 545	17 949	19 839	20 375	20 959	20 399	19 977	54 280	56 877	58 163	61 335	230 655
1984 ---	19 433	20 873	21 563	21 022	21 171	22 058	20 026	21 880	22 702	22 372	21 506	21 110	61 869	64 251	64 608	64 988	255 716
1985 ---	20 279	21 670	22 650	21 264	21 774	22 480	20 182	22 174	23 316	22 702	22 507	21 852	64 599	65 518	65 672	67 061	262 850
1986 ---	21 242	22 510	23 156	22 276	22 143	24 023	21 167	23 927	25 067	24 934	24 089	23 758	66 908	68 442	70 161	72 781	278 292
1987 ---	22 562	24 576	25 133	24 321	24 362	26 065	24 068	25 865	27 052	27 333	26 410	25 777	72 271	74 748	76 985	79 520	303 524
1988 ---	24 964	26 358	27 214	26 899	26 514	27 875	25 413	28 115	29 183	28 763	28 319	28 052	78 536	81 288	82 711	85 134	327 669
1989 ---	26 766	28 691	28 680	28 511	28 196	29 425	26 607	29 307	30 279	30 184	29 526	27 260	84 137	86 132	86 193	86 970	343 432
1990 ---	27 247	29 116	29 811	29 158	28 764	29 819	27 151	30 087	30 739	30 485	29 681	27 687	86 174	87 741	87 977	87 853	349 745
1991 ---	26 686	28 248	28 439	27 764	28 484	28 607	26 695	29 225	30 072	30 287	29 202	27 471	83 373	83 855	85 992	86 960	340 180
Seasonally Adjusted—Millions of Dollars																	
1982 ---	17 418	17 782	17 771	17 506	17 631	17 429	17 546	17 654	17 614	17 615	17 810	17 779	52 971	52 566	52 814	53 204	(X)
1983 ---	18 218	18 013	18 311	18 753	18 867	19 149	19 352	19 521	19 357	20 128	20 343	20 520	54 542	56 769	58 230	60 991	(X)
1984 ---	20 609	20 736	20 925	21 249	21 381	21 544	21 542	21 533	21 553	21 453	21 395	21 547	62 270	64 174	64 628	64 395	(X)
1985 ---	21 486	21 607	22 116	21 522	22 094	21 935	21 691	21 811	22 076	21 716	22 348	22 215	65 209	65 551	65 578	66 279	(X)
1986 ---	22 554	22 504	22 684	22 561	22 545	23 415	22 779	23 545	23 734	23 832	23 837	24 145	67 742	68 521	70 058	71 814	(X)
1987 ---	23 980	24 614	24 652	24 605	24 556	25 416	25 915	25 365	25 591	26 094	26 084	26 264	73 246	74 877	76 871	78 442	(X)
1988 ---	26 528	26 397	26 743	27 164	27 071	27 178	27 325	27 518	27 653	27 426	27 890	28 767	79 668	81 413	82 496	84 083	(X)
1989 ---	28 444	28 770	28 817	28 744	28 783	28 735	28 585	28 591	28 701	28 730	28 999	27 998	85 431	86 262	85 877	85 727	(X)
1990 ---	29 024	29 215	29 372	29 399	29 384	29 164	29 168	29 311	29 134	28 961	29 078	28 505	87 611	87 947	87 613	86 544	(X)
1991 ---	28 427	28 376	28 060	27 973	28 074	27 961	28 732	28 430	28 468	28 740	28 564	28 334	84 863	84 008	85 630	85 638	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.8	2.1	-.1	-1.5	.7	-1.1	.7	.6	-.2	-	1.1	-.2	1.6	-.8	.5	.7	(X)
1983 ---	2.5	-1.1	1.7	2.4	.6	1.5	1.1	.9	-.8	4.0	1.1	.9	2.5	4.1	2.6	4.7	(X)
1984 ---	4	.6	.9	1.5	.6	.8	-.1	-.6	1	-.5	-.3	.7	2.1	3.1	.7	-.4	(X)
1985 ---	-.3	.6	2.4	-2.7	2.7	-.7	-1.1	.6	1.2	-1.6	2.9	-.6	1.3	.5	-.1	1.1	(X)
1986 ---	1.5	-.2	.8	-.5	-.1	3.9	-2.7	3.4	.8	4	-.7	1.3	2.2	1.1	2.2	2.5	(X)
1987 ---	-.7	2.6	.2	1.0	2.3	2.0	-.1	.9	2.0	-.8	1.7	3.1	1.6	2.2	1.3	1.9	(X)
1988 ---	1.0	-.5	1.3	1.6	-.3	.4	.5	.7	.5	-.8	1.7	3.1	1.6	2.2	1.3	1.9	(X)
1989 ---	-1.1	1.1	-1.9	1.9	-.1	-.2	-.5	-.7	-.4	-.1	.9	-3.5	1.6	1.0	-.4	-.2	(X)
1990 ---	3.7	.7	.5	-.1	-.1	-.7	-.5	-.6	-.6	-.4	-.2	2.2	2.2	.4	-.4	-1.2	(X)
1991 ---	-.3	-.2	-1.1	-.3	.4	-.4	2.8	-1.1	.1	1.0	-.6	-.8	-1.9	-1.0	1.9	-.8	(X)
FOOD AND KINDRED PRODUCTS, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	21 236	23 652	24 073	22 521	23 413	24 678	22 295	23 048	25 096	23 866	23 590	23 061	68 961	70 612	70 439	70 517	280 529
1983 ---	21 534	23 745	24 638	22 942	24 012	25 051	22 568	24 446	26 170	24 968	24 482	24 758	69 917	72 005	73 184	74 208	289 314
1984 ---	23 129	24 528	26 092	24 964	25 230	26 318	24 548	25 279	26 998	26 309	25 439	25 950	73 749	76 512	76 625	77 698	304 584
1985 ---	23 938	25 981	27 032	25 029	26 080	26 255	24 616	25 338	26 976	25 767	26 068	25 624	76 951	77 366	76 830	77 459	308 606
1986 ---	24 488	25 774	26 304	25 330	26 269	27 228	25 675	26 708	28 878	27 707	26 941	26 901	76 566	78 827	81 261	81 549	318 203
1987 ---	24 901	26 995	27 684	26 919	27 080	28 400	26 991	27 084	29 636	28 486	27 755	27 794	79 580	82 399	83 711	84 035	329 725
1988 ---	26 484	27 963	29 258	28 268	28 981	30 856	28 992	29 574	31 713	30 296	29 663	29 465	83 705	88 105	90 279	89 424	351 513
1989 ---	28 318	29 961	31 221	29 633	30 644	31 291	28 610	30 676	31 905	31 476	30 585	30 083	89 500	91 568	91 191	92 144	364 403
1990 ---	26 639	30 944	32 391	30 715	32 319	33 296	30 808	32 483	34 043	33 748	32 663	31 960	91 974	96 330	97 334	98 371	384 009
1991 ---	29 171	31 762	32 822	31 287	32 854	33 504	30 917	32 453	34 117	33 623	32 749	31 791	93 755	97 645	97 487	98 163	387 050
Seasonally Adjusted—Millions of Dollars																	
1982 ---	22 911	23 611	23 381	23 294	23 552	23 777	23 422	22 977	23 638	23 230	23 647	23 126	69 903	70 623	70 037	70 003	(X)
1983 ---	23 272	23 721	23 898	23 680	24 084	24 133	23 564	24 463	24 624	24 362	24 606	24 821	70 891	71 897	72 651	73 789	(X)
1984 ---	24 994	24 515	25 312	25 673	25 261	25 407	25 592	25 384	25 158	25 680	25 597	25 993	74 821	76 341	76 134	77 270	(X)
1985 ---	25 895	25 971	26 243	25 654	26 079	25 385	25 562	25 358	25 315	25 161	26 251	25 734	78 109	77 118	76 235	77 146	(X)
1986 ---	26 459	25 866	25 652	25 903	26 226	26 304	26 641	26 806	27 092	27 046	27 118	27 085	77 977	78 433	80 539	81 249	(X)
1987 ---	26 821	27 197	27 075	27 518	26 982	27 379	27 992	27 146	27 839	27 776	27 897	28 088	81 093	81 879	82 977	83 761	(X)
1988 ---	28 487	28 230	28 647	28 882	28 800	29 731	30 086	29 571	29 878	29 489	29 781	29 858	85 364	87 413	89 535	89 128	(X)
1989 ---	30 461	30 304	30 557	30 314	30 398	30 104	29 731	30 645	30 104	30 555	30 658	30 553	91 322	90 816	90 480	91 766	(X)
1990 ---	30 840	31 323	31 665	31 471	31 981	32 025	32 064	32 401	32 235	32 691	32 715	32 523	93 828	95 477	96 700	97 929	(X)
1991 ---	31 447	32 141	32 059	32 097	32 447	32 215	32 216	32 343	32 355	32 539	32 760	32 369	95 647	96 759	96 914	97 668	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.5	3.1	-1.0	-.4	1.1	1.0	-1.5	-1.9	2.9	-1.7	1.8	-2.2	4.6	1.0	-.8	-.8	(X)
1983 ---	.6	1.9	.7	-.9	1.7	.2	-.4	3.8	-.7	-1.1	1.0	.9	1.3	1.4	1.0	1.6	(X)
1984 ---	.7	-1.9	3.3	1.4	-1.6	.6	-.7	-.8	-.9	2.1	-.3	1.5	1.4	2.0	-.3	1.5	(X)
1985 ---	-.4	.3	1.0	-2.2	1.7	-.7	-.7	-.8	-.2	-.6	4.3	-2.0	1.1	-1.3	-1.1	1.2	(X)
1986 ---	2.8	-2.2	-.8	1.0	1.2	.3	1.3	.6	1.1	-.2	.3	-.1	1.1	.6	.2	.9	(X)
1987 ---	-1.0	1.4	-.4	1.6	-1.9	1.5	2.2	-3.0	2.6	-.2	.4	.7	-.2	1.0	1.3	.9	(X)
1988 ---	1.4	-.9	1.5	.8	-.3	3.2	1.2	-1.7	1.0	-1.3	1.0	.3	1.9	2.4	2.4	-.5	(X)
1989 ---	2.0	-.5	.8	-.8	.3	-1.0	-1.2	3.1	-1.8	1.5	.3	-.3	2.5	-.6	-.4	1.4	(X)
1990 ---	.9	1.6	1.1	-.6	1.6	.1	-.1	1.1	1.1	-.5	1.4	1	-.6	2.2	1.8	1.3	(X)
1991 ---	-3.3	2.2	-.3	1	1.1	-.7	-.4	4	-.4	6	.7	-1.2	-2.3	1.2	2	.8	(X)



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MEAT PRODUCTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	5 255	5 397	5 376	5 436	5 842	5 854	5 552	5 793	5 906	5 896	5 656	5 639	16 028	17 132	17 251	17 191	67 602
1983 ---	5 361	5 535	5 629	5 457	5 726	5 729	5 290	5 695	5 674	5 577	5 582	5 854	16 525	16 912	16 659	17 013	67 109
1984 ---	5 609	5 658	5 819	5 690	5 795	5 974	5 641	6 019	5 885	6 019	5 841	6 046	17 086	17 459	17 545	17 906	69 996
1985 ---	5 661	5 734	5 750	5 511	5 827	5 860	5 779	5 858	5 559	5 870	6 023	5 844	17 145	17 198	17 196	17 737	69 276
1986 ---	5 494	5 561	5 540	5 613	5 731	6 006	6 035	6 536	6 599	6 627	6 296	6 142	16 595	17 350	19 170	19 065	72 180
1987 ---	5 885	5 969	6 114	6 332	6 487	6 669	6 562	6 489	6 857	6 775	6 355	6 508	17 968	19 488	19 908	19 638	77 002
1988 ---	6 106	6 308	6 407	6 418	6 924	7 129	6 760	7 086	7 174	7 219	6 773	6 885	18 821	20 471	21 020	20 877	81 189
1989 ---	6 695	7 005	7 045	6 938	7 330	7 122	6 750	7 164	7 109	7 239	6 814	7 129	20 745	21 390	21 023	21 182	84 340
1990 ---	6 654	7 164	7 467	7 245	7 772	7 860	7 531	7 934	7 838	8 104	7 563	7 645	21 285	22 877	23 303	23 312	90 777
1991 ---	7 072	7 355	7 687	7 389	7 789	7 774	7 261	7 564	7 671	7 596	7 228	6 993	22 114	22 952	22 496	21 817	89 379
Seasonally Adjusted—Millions of Dollars																	
1982 ---	5 425	5 479	5 479	5 666	5 845	5 776	5 765	5 627	5 722	5 639	5 659	5 519	16 383	17 287	17 114	16 817	(X)
1983 ---	5 550	5 650	5 734	5 674	5 716	5 623	5 458	5 519	5 499	5 348	5 600	5 750	16 934	17 013	16 476	16 698	(X)
1984 ---	5 830	5 806	5 932	5 897	5 768	5 849	5 783	5 825	5 697	5 781	5 870	5 952	17 568	17 514	17 305	17 603	(X)
1985 ---	5 911	5 908	5 875	5 698	5 791	5 731	5 887	5 656	5 366	5 635	6 067	5 784	17 694	17 220	16 909	17 486	(X)
1986 ---	5 765	5 747	5 674	5 793	5 674	5 862	6 116	6 300	6 349	6 359	6 375	6 112	17 186	17 329	18 765	18 846	(X)
1987 ---	6 214	6 171	6 263	6 522	6 385	6 493	6 632	6 251	6 592	6 495	6 465	6 525	18 648	19 400	19 475	19 485	(X)
1988 ---	6 497	6 516	6 529	6 588	6 761	6 918	6 841	6 843	6 909	6 926	6 921	6 931	19 542	20 267	20 593	20 778	(X)
1989 ---	7 168	7 221	7 121	7 108	7 112	6 887	6 851	6 937	6 876	6 955	6 981	7 195	21 510	21 107	20 664	21 131	(X)
1990 ---	7 149	7 364	7 487	7 417	7 504	7 587	7 669	7 707	7 610	7 802	7 753	7 710	22 000	22 508	22 986	23 265	(X)
1991 ---	7 610	7 540	7 675	7 567	7 504	7 508	7 408	7 350	7 464	7 314	7 405	7 047	22 825	22 579	22 222	21 766	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	5.3	1.0	-	3.4	3.2	-1.2	-2	-2.4	1.7	-1.5	.4	-2.5	2.3	5.5	-1.0	-1.7	(X)
1983 ---	.6	1.8	1.5	-1.0	.7	-1.6	-2.9	1.1	-4	-2.7	4.7	2.7	.7	.5	-3.2	1.3	(X)
1984 ---	1.4	-4	2.2	-6	-2.2	1.4	-1.1	.7	-2.2	1.5	1.5	1.4	5.2	-3	-1.2	1.7	(X)
1985 ---	-7	-1	-6	-3.0	1.6	-1.0	2.7	-3.9	-5.1	5.0	7.7	-4.7	.5	-2.7	-1.8	3.4	(X)
1986 ---	-3	-3	-1.3	2.1	-2.1	3.3	4.3	3.0	.8	2	-3	-4.1	-1.7	.8	8.3	.4	(X)
1987 ---	1.7	-7	1.5	4.1	-2.1	1.7	2.1	-5.7	5.5	-1.5	-5	.9	-1.1	4.0	.4	.1	(X)
1988 ---	-4	.3	.2	.9	2.6	2.3	-1.1	-	1.0	2	-1	.1	.3	3.7	1.6	.9	(X)
1989 ---	3.4	.7	-1.4	-2	.1	-3.2	-5	1.3	-9	1.1	.4	3.1	3.5	-1.9	-2.1	2.3	(X)
1990 ---	-6	3.0	1.7	-9	1.2	1.1	1.1	.5	-1.3	2.5	-6	-6	4.1	2.3	2.1	1.2	(X)
1991 ---	-1.3	-9	1.8	-1.4	-8	.1	-1.3	-8	1.6	-2.0	1.2	-4.8	-1.9	-1.1	-1.6	-2.1	(X)
DAIRY PRODUCTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 931	3 200	3 214	3 168	3 288	3 400	3 226	3 192	3 334	3 285	3 345	3 188	9 345	9 856	9 752	9 818	38 771
1983 ---	3 018	3 324	3 381	3 281	3 434	3 515	3 417	3 454	3 596	3 382	3 399	3 256	9 723	10 230	10 467	10 037	40 457
1984 ---	3 291	3 376	3 411	3 470	3 430	3 563	3 331	3 372	3 481	3 403	3 411	3 357	10 078	10 463	10 184	10 171	40 896
1985 ---	3 295	3 408	3 537	3 516	3 616	3 586	3 585	3 474	3 512	3 360	3 578	3 365	10 240	10 718	10 571	10 303	41 832
1986 ---	3 347	3 500	3 589	3 513	3 702	3 757	3 679	3 652	3 628	3 586	3 665	3 580	10 436	10 972	10 959	10 831	43 198
1987 ---	3 511	3 702	3 755	3 710	3 801	3 917	3 716	3 729	3 823	3 701	3 733	3 657	10 968	11 428	11 268	11 091	44 755
1988 ---	3 564	3 755	3 878	3 754	3 958	4 150	3 958	4 018	4 113	3 922	3 974	3 900	11 197	11 862	12 089	11 796	46 944
1989 ---	3 730	3 863	3 993	3 877	4 024	4 161	3 870	4 221	4 092	4 021	4 217	3 976	11 586	12 062	12 183	12 214	48 045
1990 ---	4 000	4 203	4 383	4 220	4 426	4 495	4 329	4 336	4 286	4 185	4 173	3 926	12 586	13 141	12 951	12 284	50 962
1991 ---	3 808	3 884	4 055	3 995	4 237	4 288	4 107	4 219	4 266	4 186	4 264	4 088	11 747	12 520	12 592	12 538	49 397
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 095	3 202	3 176	3 207	3 208	3 252	3 216	3 193	3 252	3 319	3 347	3 311	9 473	9 667	9 661	9 977	(X)
1983 ---	3 183	3 330	3 339	3 309	3 349	3 356	3 406	3 461	3 516	3 417	3 401	3 380	9 852	10 014	10 383	10 198	(X)
1984 ---	3 466	3 391	3 371	3 492	3 343	3 402	3 317	3 375	3 409	3 444	3 415	3 480	10 228	10 237	10 101	10 339	(X)
1985 ---	3 463	3 431	3 496	3 540	3 525	3 422	3 569	3 469	3 444	3 404	3 585	3 475	10 390	10 487	10 482	10 464	(X)
1986 ---	3 520	3 534	3 546	3 541	3 610	3 583	3 659	3 637	3 562	3 637	3 669	3 688	10 600	10 734	10 858	10 994	(X)
1987 ---	3 699	3 744	3 708	3 752	3 709	3 731	3 693	3 704	3 758	3 751	3 727	3 762	11 151	11 192	11 155	11 240	(X)
1988 ---	3 766	3 805	3 828	3 807	3 867	3 951	3 935	3 979	4 041	3 968	3 956	4 014	11 399	11 625	11 955	11 938	(X)
1989 ---	3 950	3 925	3 941	3 942	3 935	3 958	3 853	4 167	4 017	4 057	4 188	4 094	11 816	11 835	12 037	12 339	(X)
1990 ---	4 245	4 287	4 327	4 292	4 329	4 275	4 312	4 272	4 207	4 216	4 135	4 047	12 859	12 896	12 791	12 398	(X)
1991 ---	4 045	3 973	4 003	4 065	4 142	4 080	4 089	4 152	4 190	4 214	4 219	4 218	12 021	12 287	12 431	12 651	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.5	3.5	-8	1.0	-	1.4	-1.1	-7	1.8	2.1	.8	-1.1	2.4	2.0	-1	3.3	(X)
1983 ---	-3.9	4.6	3	-9	1.2	2	1.5	1.6	1.6	-2.8	-5	-6	-1.3	1.6	3.7	-1.8	(X)
1984 ---	2.5	-2.2	-6	3.6	-4.3	1.8	-2.5	1.7	1.0	1.0	-8	1.9	.3	.1	-1.3	2.4	(X)
1985 ---	-5	-9	19	1.3	-4	-2.9	4.3	-2.8	-7	-1.2	5.3	-3.1	.5	.9	-	-2	(X)
1986 ---	1.3	.4	.3	-1	1.9	-7	2.1	-6	-2.1	2.1	.9	.5	1.3	1.3	1.2	1.3	(X)
1987 ---	.3	1.2	-1.0	1.2	-1.1	6	-1.0	3	1.5	-2	-6	.9	1.4	.4	-3	.8	(X)
1988 ---	1	1.0	6	-5	1.6	2.2	-4	1.1	1.6	-1.8	-3	1.5	1.4	2.0	2.8	-1	(X)
1989 ---	-1.6	-6	4	-	-2	6	-2.7	8.1	-3.6	1.0	3.2	-2.2	-1.0	.2	1.7	2.5	(X)
1990 ---	3.7	1.0	9	-8	9	-1.2	9	-9	-1.5	2	-1.9	-2.1	4.2	.3	-8	-3.1	(X)
1991 ---	-	-1.8	8	1.5	1.9	-1.5	2	9	.9	.6	.1	-	-3.0	2.2	1.2	1.8	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Merch	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
BEVERAGES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollrs																	
1982 ---	2 668	3 005	3 278	3 440	3 502	3 703	3 320	3 413	3 280	3 235	3 093	2 864	8 951	10 645	10 013	9 192	38 801
1983 ---	2 757	3 138	3 311	3 423	3 658	3 815	3 657	3 764	3 427	3 373	3 131	2 916	9 206	10 896	10 848	9 420	40 370
1984 ---	2 813	3 163	3 333	3 612	3 674	4 033	3 846	3 731	3 418	3 599	3 273	2 981	9 309	11 319	10 995	9 853	41 476
1985 ---	3 160	3 174	3 460	3 809	3 866	3 992	3 863	3 966	3 924	3 574	3 599	3 317	9 794	11 667	11 753	10 490	43 704
1986 ---	3 297	3 396	3 697	4 005	4 113	4 318	4 120	4 101	3 956	3 986	3 647	3 593	10 390	12 336	12 177	11 226	46 229
1987 ---	3 338	3 654	3 787	4 163	4 116	4 565	4 229	4 190	4 011	3 943	3 690	3 641	10 779	12 844	12 430	11 274	47 327
1988 ---	3 598	3 658	4 003	4 472	4 405	4 740	4 434	4 503	4 244	4 015	4 002	3 648	11 259	13 617	13 181	11 665	49 722
1989 ---	3 773	3 805	4 087	4 439	4 465	4 782	4 515	4 486	4 126	4 053	3 951	3 651	11 665	13 686	13 127	11 655	50 133
1990 ---	3 705	3 903	4 258	4 376	4 601	4 920	4 585	4 620	4 482	4 282	4 277	4 189	11 866	13 897	13 687	12 748	52 198
1991 ---	3 687	3 950	4 362	4 468	4 916	5 174	4 821	4 775	4 563	4 426	4 253	4 205	11 999	14 558	14 159	12 884	53 600
Seasonally Adjusted—Millions of Dollrs																	
1982 ---	3 198	3 294	3 329	3 309	3 291	3 220	3 114	3 171	3 253	3 171	3 240	3 256	9 821	9 820	9 538	9 667	(X)
1983 ---	3 289	3 430	3 365	3 276	3 419	3 335	3 416	3 498	3 396	3 319	3 306	3 321	10 084	10 030	10 310	9 946	(X)
1984 ---	3 335	3 453	3 394	3 443	3 423	3 542	3 584	3 472	3 381	3 556	3 477	3 384	10 182	10 408	10 437	10 417	(X)
1985 ---	3 709	3 470	3 537	3 614	3 608	3 511	3 597	3 698	3 879	3 546	3 834	3 744	10 716	10 733	11 174	11 124	(X)
1986 ---	3 830	3 727	3 795	3 783	3 850	3 796	3 837	3 828	3 915	3 982	3 883	4 033	11 352	11 429	11 580	11 898	(X)
1987 ---	3 839	4 023	3 888	3 930	3 860	4 006	3 947	3 918	3 969	3 973	3 917	4 066	11 750	11 796	11 834	11 956	(X)
1988 ---	4 113	4 030	4 101	4 241	4 132	4 149	4 143	4 213	4 200	4 081	4 237	4 056	12 244	12 522	12 556	12 374	(X)
1989 ---	4 304	4 188	4 170	4 235	4 185	4 175	4 221	4 202	4 083	4 147	4 168	4 049	12 662	12 595	12 506	12 364	(X)
1990 ---	4 230	4 292	4 331	4 195	4 306	4 291	4 286	4 328	4 439	4 396	4 500	4 640	12 853	12 792	13 053	13 536	(X)
1991 ---	4 219	4 339	4 427	4 296	4 592	4 515	4 506	4 474	4 522	4 548	4 467	4 655	12 985	13 403	13 502	13 670	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-	3.0	1.1	-6	-5	-2.2	-3.3	1.8	2.6	-2.5	2.2	.5	4.1	-	-2.9	1.4	(X)
1983 ---	1.0	4.3	-1.9	-2.6	4.4	-2.5	2.4	2.4	-2.9	-2.3	-4	.5	4.3	-5	2.8	-3.5	(X)
1984 ---	.4	3.5	-1.7	1.4	-6	3.5	1.2	-3.1	-2.6	5.2	-2.2	-2.7	2.4	2.2	.3	-2	(X)
1985 ---	9.6	-6.4	1.9	2.2	-2	-2.7	2.4	2.8	4.9	-8.6	8.1	-2.3	2.9	.2	4.1	-4	(X)
1986 ---	2.3	-2.7	1.8	-1.3	1.8	-1.4	1.1	-2	2.3	1.7	-2.5	3.9	2.0	.7	1.3	2.7	(X)
1987 ---	-4.8	4.8	-3.4	1.1	-1.8	3.8	-1.5	-7	1.3	-1	-1.4	3.8	-1.2	.4	.3	1.0	(X)
1988 ---	1.2	-2.0	1.8	3.4	-2.6	.4	-1	1.7	-3	-2.8	3.8	-4.3	2.4	2.3	.3	-1.4	(X)
1989 ---	6.1	-2.7	-4	1.6	-1.2	-2	1.1	-5	-2.8	1.6	.5	-2.9	2.3	.5	.7	-1.1	(X)
1990 ---	4.5	1.5	.9	-3.1	2.6	-3	-1	1.0	2.6	-1.0	2.4	3.1	4.0	-5	2.0	3.7	(X)
1991 ---	-9.1	2.8	2.0	-3.0	6.9	-1.7	-2	-7	1.1	.6	-1.8	4.2	-4.1	3.2	.7	1.2	(X)
ALL OTHER FOODS, EXCEPT FATS AND OILS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollrs																	
1982 ---	8 893	10 471	10 615	9 033	9 402	10 260	8 846	9 362	11 298	10 213	10 165	10 045	29 979	28 695	29 506	30 423	118 603
1983 ---	8 996	10 462	11 004	9 573	9 835	10 592	8 941	10 107	11 862	11 020	10 742	11 181	30 462	30 000	30 910	32 943	124 315
1984 ---	9 739	10 740	11 853	10 547	10 580	10 977	10 143	10 597	12 489	11 794	11 278	11 948	32 332	32 104	33 229	35 020	132 685
1985 ---	10 353	12 139	12 840	10 730	11 111	11 280	10 000	10 540	12 573	11 570	11 442	11 742	35 332	33 121	33 113	34 754	136 320
1986 ---	11 001	11 925	12 161	10 981	11 353	11 919	10 655	11 160	13 396	12 216	11 978	12 288	35 087	34 253	35 211	36 482	141 033
1987 ---	10 929	12 389	12 710	11 458	11 467	11 960	11 090	11 391	13 581	12 709	12 570	12 506	36 028	34 885	36 062	37 785	144 760
1988 ---	11 617	12 624	13 311	12 021	12 148	13 069	11 815	12 261	14 372	13 400	13 204	13 299	37 552	37 238	38 448	39 903	153 141
1989 ---	12 426	13 578	14 116	12 632	13 109	13 564	11 933	13 222	15 043	14 495	13 889	13 684	40 120	39 305	40 198	42 068	161 691
1990 ---	12 745	14 093	14 701	13 325	13 942	14 318	12 840	13 986	15 791	15 499	14 857	14 476	41 539	41 585	42 617	44 832	170 573
1991 ---	13 060	14 897	15 098	13 838	14 279	14 688	13 227	14 152	15 889	15 707	15 276	14 742	43 055	42 805	43 268	45 725	174 853
Seasonally Adjusted—Millions of Dollrs																	
1982 ---	9 704	10 057	9 807	9 668	9 829	10 068	9 976	9 698	10 133	9 864	10 070	9 715	29 568	29 565	29 807	29 649	(X)
1983 ---	9 848	10 025	10 147	10 213	10 241	10 419	10 021	10 559	10 602	10 662	10 671	10 819	30 020	30 873	31 182	32 152	(X)
1984 ---	10 686	10 274	10 939	11 196	10 976	10 843	11 321	11 152	11 146	11 405	11 199	11 559	31 899	33 015	33 619	34 163	(X)
1985 ---	11 343	11 636	11 890	11 339	11 493	11 184	11 120	11 135	11 218	11 183	11 339	11 375	34 869	34 016	33 473	33 897	(X)
1986 ---	11 995	11 466	11 320	11 568	11 722	11 835	11 843	11 782	11 967	11 776	11 836	11 954	34 781	35 125	35 592	35 566	(X)
1987 ---	11 831	11 978	11 898	12 058	11 819	11 860	12 326	11 988	12 156	12 199	12 381	12 253	35 707	35 737	36 470	36 833	(X)
1988 ---	12 512	12 261	12 530	12 643	12 494	12 945	13 142	12 830	12 918	12 774	12 957	13 124	37 303	38 082	38 890	38 855	(X)
1989 ---	13 345	13 260	13 345	13 282	13 450	13 422	13 264	13 756	13 593	13 728	13 607	13 572	39 950	40 154	40 613	40 907	(X)
1990 ---	13 681	13 799	13 938	14 018	14 264	14 169	14 274	14 487	14 333	14 599	14 534	14 402	41 418	42 451	43 094	43 535	(X)
1991 ---	14 029	14 613	14 334	14 572	14 576	14 532	14 712	14 624	14 451	14 755	14 941	14 686	42 976	43 680	43 787	44 382	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	7.3	3.6	-2.5	-1.4	1.7	2.4	-9	-2.8	4.5	-2.7	2.1	-3.5	6.5	-	.8	-5	(X)
1983 ---	1.4	1.8	1.2	.7	.3	1.7	-3.8	5.4	-4	.6	1	1.4	1.3	2.8	1.0	3.1	(X)
1984 ---	-1.2	-3.9	6.5	2.3	-2.0	-1.2	4.4	-1.5	-1	2.3	-1.8	3.2	-8	3.5	1.8	1.6	(X)
1985 ---	-1.9	2.6	2.2	-4.6	1.4	-2.7	-6	1	7	-3	1.4	.3	2.1	-2.4	-1.6	1.3	(X)
1986 ---	5.5	-4.4	-1.3	2.2	1.3	1.0	1	-5	1.6	-1.6	.5	1.0	2.6	1.0	1.3	-1	(X)
1987 ---	-1.0	1.2	-7	1.3	-2.0	.3	3.9	-2.7	1.4	.4	1.5	-1.0	.4	1	2.1	1.0	(X)
1988 ---	2.1	-2.0	2.2	.9	-1.2	3.6	1.5	-2.4	.7	-1.1	1.4	1.3	1.3	2.1	2.1	-1	(X)
1989 ---	1.7	-6	.6	-5	1.3	-2	-1.2	3.7	-1.2	1.0	-9	-3	2.8	.5	1.1	.7	(X)
1990 ---	.8	.9	1.0	.6	1.8	.7	.7	1.5	-1.1	1.9	-4	-9	1.2	2.5	1.5	1.0	(X)
1991 ---	-2.6	4.2	-1.9	1.7	-	-3	1.2	-6	-1.2	2.1	1.3	-1.7	-1.3	1.6	2	1.4	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
TOBACCO PRODUCTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	1 224	1 209	1 198	1 300	1 283	1 560	1 143	1 425	1 660	1 387	1 209	1 463	3 631	4 143	4 228	4 059	16 061
1983	1 038	1 057	1 348	1 130	1 251	1 591	1 207	1 321	1 594	1 403	1 475	1 853	3 443	3 972	4 122	4 731	16 268
1984	1 092	1 310	1 585	1 356	1 493	1 721	1 341	1 542	1 606	1 392	1 339	1 696	3 987	4 570	4 489	4 427	17 473
1985	1 156	1 442	1 688	1 333	1 626	2 007	1 214	1 496	1 674	1 365	1 531	2 027	4 286	4 966	4 384	4 923	18 559
1986	872	1 438	1 833	1 377	1 713	2 181	1 247	1 580	1 696	1 276	1 741	2 192	4 143	5 271	4 523	5 209	19 146
1987	873	1 437	1 861	1 305	1 876	2 227	1 290	1 673	2 193	1 477	2 081	2 464	4 171	5 408	5 156	6 022	20 757
1988	1 063	1 536	2 265	1 559	2 348	2 392	1 384	1 868	2 515	1 825	2 413	2 664	4 864	6 299	5 767	6 902	23 832
1989	1 259	1 668	2 549	1 879	2 363	2 535	1 397	2 030	2 519	2 222	2 604	2 778	5 476	6 777	5 946	7 604	25 803
1990	1 498	1 903	2 719	2 346	2 825	2 681	1 832	2 658	2 891	2 624	3 407	2 539	6 120	7 852	7 381	8 570	29 923
1991	1 678	1 968	3 086	1 977	3 152	3 314	1 969	2 635	3 197	2 590	3 682	3 025	6 732	8 443	7 801	9 297	32 273
Seasonally Adjusted—Millions of Dollars																	
1982	1 662	1 392	1 105	1 430	1 257	1 268	1 388	1 401	1 460	1 438	1 173	1 241	4 159	3 955	4 249	3 852	(X)
1983	1 424	1 211	1 239	1 252	1 221	1 282	1 475	1 302	1 405	1 463	1 422	1 570	3 874	3 755	4 182	4 455	(X)
1984	1 532	1 487	1 446	1 521	1 443	1 366	1 666	1 531	1 416	1 460	1 276	1 432	4 465	4 330	4 613	4 168	(X)
1985	1 676	1 634	1 521	1 520	1 547	1 564	1 547	1 501	1 481	1 438	1 431	1 703	4 831	4 631	4 529	4 572	(X)
1986	1 312	1 638	1 622	1 594	1 594	1 688	1 638	1 606	1 503	1 347	1 593	1 824	4 572	4 876	4 747	4 764	(X)
1987	1 353	1 665	1 614	1 522	1 709	1 735	1 744	1 714	1 946	1 561	1 862	2 036	4 632	4 966	5 404	5 459	(X)
1988	1 676	1 824	1 930	1 816	2 097	1 897	1 913	1 926	2 225	1 930	2 124	2 191	5 430	5 810	6 064	6 245	(X)
1989	1 989	2 037	2 147	2 175	2 081	2 044	1 960	2 093	2 224	2 348	2 266	2 284	6 173	6 300	6 277	6 898	(X)
1990	2 354	2 381	2 278	2 698	2 466	2 185	2 592	2 741	2 543	2 765	2 953	2 095	7 013	7 349	7 876	7 813	(X)
1991	2 612	2 498	2 579	2 262	2 748	2 712	2 798	2 711	2 806	2 721	3 190	2 504	7 689	7 722	8 315	8 415	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	43.9	-16.2	-20.6	29.4	-12.1	.9	9.5	.9	4.2	-1.5	-18.4	5.8	23.5	-4.9	7.4	-9.3	(X)
1983	14.7	-15.0	2.3	1.0	-2.5	5.0	15.1	-11.7	7.9	4.1	-2.8	10.4	6	-3.1	11.4	6.5	(X)
1984	-2.4	-2.9	-2.8	5.2	-5.1	-5.3	22.0	-8.1	-7.5	3.1	-12.6	12.2	.2	-3.0	6.5	-9.6	(X)
1985	17.0	-2.5	-6.9	-1	1.8	1.1	-1.1	-3.0	-1.3	-2.9	-5	19.0	15.9	-4.1	-2.2	.9	(X)
1986	-23.0	24.8	-1.0	-1.7	-	5.9	-3.0	-2.0	-6.4	-10.4	18.3	14.5	-	6.6	-2.6	4	(X)
1987	-25.8	23.1	-3.1	-5.7	12.3	1.5	.5	-1.7	13.5	-19.8	19.3	9.3	-2.8	7.2	8.8	1.0	(X)
1988	-17.7	8.8	5.8	-5.9	15.5	-9.5	.8	.7	15.5	-13.3	10.1	3.2	-5	7.0	4.4	3.0	(X)
1989	-9.2	2.4	5.4	1.3	-4.3	-1.8	-4.1	6.8	6.3	5.6	-3.5	.8	-1.2	2.1	-4	9.9	(X)
1990	3.1	1.1	-4.3	18.4	-8.6	-11.4	18.6	5.7	-7.2	8.7	6.8	-29.1	1.7	4.8	7.2	-8	(X)
1991	24.7	-4.4	3.2	-12.3	21.5	-1.3	3.2	-3.1	3.5	-3.0	17.2	-21.5	-1.6	.4	7.7	1.2	(X)
TEXTILE MILL PRODUCTS, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	3 385	3 929	4 389	3 875	4 036	4 328	3 274	4 093	4 284	4 140	3 901	3 882	11 703	12 239	11 651	11 923	47 516
1983	3 527	4 040	4 660	4 259	4 467	4 896	3 905	4 788	4 992	4 969	4 593	4 637	12 227	13 622	13 685	14 199	53 733
1984	4 317	4 873	5 346	4 790	4 843	5 088	3 924	4 787	5 032	4 724	4 356	4 256	14 536	14 721	13 743	13 336	56 336
1985	3 824	4 367	4 918	4 420	4 521	4 848	3 845	4 726	5 061	5 029	4 648	4 398	13 109	13 789	13 632	14 075	54 605
1986	4 101	4 612	4 910	4 610	4 530	5 052	4 099	5 091	5 332	5 265	4 864	4 722	13 623	14 192	14 522	14 851	57 188
1987	4 282	5 033	5 466	5 062	5 118	5 726	4 655	5 588	5 893	5 713	5 372	4 879	14 781	15 906	16 136	15 964	62 787
1988	4 555	5 192	5 587	5 326	5 362	5 877	4 585	5 610	6 049	5 594	5 575	5 475	15 334	16 565	16 244	16 625	64 768
1989	5 034	5 705	5 924	5 490	5 571	6 071	4 771	5 926	6 102	6 050	5 802	4 875	16 663	17 132	16 799	16 727	67 321
1990	4 906	5 553	5 885	5 451	5 603	6 030	4 647	5 772	5 849	5 808	5 563	4 884	16 344	17 084	16 268	16 255	65 951
1991	4 514	5 084	5 444	5 306	5 516	6 198	5 043	6 198	6 491	6 514	6 116	5 332	15 042	17 020	17 732	17 962	67 756
Seasonally Adjusted—Millions of Dollars																	
1982	3 840	3 954	3 989	3 911	3 977	3 972	3 863	3 973	3 926	3 959	3 970	4 124	11 783	11 860	11 762	12 053	(X)
1983	4 026	4 067	4 234	4 312	4 415	4 506	4 611	4 628	4 563	4 728	4 684	4 901	12 327	13 233	13 802	14 313	(X)
1984	4 955	4 912	4 879	4 865	4 809	4 694	4 614	4 610	4 588	4 462	4 431	4 485	14 746	14 368	13 812	13 378	(X)
1985	4 399	4 406	4 527	4 495	4 519	4 482	4 503	4 537	4 603	4 715	4 699	4 625	13 332	13 496	13 643	14 039	(X)
1986	4 723	4 654	4 562	4 702	4 551	4 672	4 789	4 878	4 841	4 901	4 879	4 997	13 939	13 925	14 508	14 777	(X)
1987	4 933	5 082	5 133	5 179	5 152	5 287	5 434	5 346	5 348	5 309	5 344	5 184	15 148	15 618	16 128	15 837	(X)
1988	5 242	5 253	5 291	5 459	5 388	5 411	5 343	5 351	5 498	5 180	5 484	5 861	15 786	16 258	16 192	16 525	(X)
1989	5 799	5 790	5 657	5 630	5 591	5 570	5 561	5 632	5 554	5 592	5 651	5 281	17 246	16 791	16 747	16 524	(X)
1990	5 650	5 658	5 645	5 594	5 623	5 517	5 420	5 476	5 328	5 357	5 390	5 316	16 953	16 734	16 224	16 063	(X)
1991	5 188	5 192	5 236	5 448	5 527	5 669	5 893	5 874	5 914	5 987	5 901	5 812	15 616	16 644	17 681	17 700	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-1.4	3.0	.9	-2.0	1.7	-1	-2.7	2.8	-1.2	.8	3	3.9	-1.8	.7	-8	2.5	(X)
1983	-2.4	1.0	4.1	1.8	2.4	2.1	2.3	.4	-1.4	3.6	-9	4.6	2.3	7.3	4.3	3.7	(X)
1984	1.1	-9	-7	-3	-1.2	-2.4	-1.7	-1	-5	-2.7	-7	1.2	3.0	-2.6	-3.9	-3.1	(X)
1985	-1.9	-2	2.7	-7	.5	-8	.5	.8	1.5	2.4	-3	-1.6	-3	1.2	1.1	2.9	(X)
1986	2.1	-1.5	-2.0	3.1	-3.2	2.7	2.5	1.9	-8	1.2	-4	2.4	-7	-1	4.2	1.9	(X)
1987	-1.3	3.0	1.0	.9	-5	2.6	2.8	-1.6	-	-7	.7	-3.0	2.5	3.1	3.3	-1.8	(X)
1988	1.1	2	.7	3.2	-1.3	.4	-1.3	.1	2.7	-5.8	5.9	6.9	-3	3.0	-4	2.1	(X)
1989	-1.1	-2	-2.3	-5	-7	-4	-2	1.3	-1.4	.7	1.1	-6.5	4.4	-2.6	-3	-1.3	(X)
1990	7.0	.1	-2	-9	.5	-1.9	-1.8	1.0	-2.7	.5	6	-1.4	2.6	-1.3	-3.0	-1.0	(X)
1991	-2.4	.1	.8	4.0	1.5	2.6	4.0	-3	.7	1.2	-1.4	-1.5	-2.8	6.6	6.2	1	(X)

See footnotes at end of table



## 22 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
BROADWOVEN FABRICS AND OTHER TEXTILES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 264	2 571	2 922	2 456	2 656	2 772	2 063	2 502	2 707	2 557	2 517	2 662	7 757	7 884	7 272	7 736	30 649
1983 ---	2 332	2 597	3 110	2 732	2 912	3 172	2 466	2 991	3 192	3 077	2 987	3 096	8 039	8 816	8 649	9 160	34 664
1984 ---	2 822	3 142	3 553	3 054	3 126	3 250	2 384	2 972	3 250	2 905	2 733	2 822	9 517	9 430	8 606	8 460	36 013
1985 ---	2 497	2 767	3 158	2 699	2 815	3 063	2 274	2 880	3 182	3 072	2 834	2 940	8 422	8 577	8 336	8 846	34 181
1986 ---	2 647	2 942	3 160	2 802	2 837	3 204	2 450	3 054	3 308	3 144	2 908	3 082	8 749	8 843	8 812	9 134	35 538
1987 ---	2 691	3 173	3 408	3 098	3 208	3 591	2 811	3 468	3 775	3 579	3 408	3 251	9 272	9 897	10 054	10 238	39 461
1988 ---	2 988	3 331	3 568	3 491	3 569	3 746	2 796	3 535	3 848	3 431	3 429	3 556	9 887	10 806	10 179	10 416	41 288
1989 ---	3 159	3 610	3 720	3 469	3 619	3 756	2 923	3 595	3 773	3 771	3 586	3 101	10 489	10 844	10 291	10 458	42 082
1990 ---	3 093	3 450	3 668	3 440	3 499	3 675	2 864	3 665	3 753	3 613	3 458	3 139	10 211	10 614	10 282	10 210	41 317
1991 ---	2 916	3 228	3 468	3 313	3 574	3 840	3 145	3 952	4 135	3 996	3 777	3 513	9 612	10 727	11 232	11 286	42 857
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 506	2 566	2 579	2 513	2 589	2 548	2 519	2 513	2 478	2 526	2 584	2 707	7 651	7 650	7 510	7 817	(X)
1983 ---	2 594	2 594	2 750	2 803	2 848	2 918	3 016	2 987	2 910	3 023	3 077	3 122	7 938	8 569	8 913	9 222	(X)
1984 ---	3 154	3 139	3 162	3 146	3 079	2 990	2 916	2 949	2 951	2 829	2 816	2 835	9 455	9 215	8 816	8 480	(X)
1985 ---	2 799	2 765	2 844	2 784	2 785	2 822	2 782	2 841	2 876	2 965	2 911	2 955	8 408	8 391	8 499	8 831	(X)
1986 ---	2 973	2 938	2 888	2 893	2 814	2 956	2 988	2 996	2 984	3 002	2 967	3 120	8 799	8 663	8 968	9 089	(X)
1987 ---	3 028	3 172	3 166	3 195	3 177	3 319	3 414	3 377	3 408	3 388	3 446	3 322	9 366	9 691	10 199	10 156	(X)
1988 ---	3 374	3 337	3 362	3 594	3 528	3 471	3 373	3 414	3 481	3 228	3 431	3 681	10 073	10 593	10 268	10 340	(X)
1989 ---	3 574	3 634	3 542	3 560	3 562	3 490	3 514	3 443	3 416	3 539	3 562	3 243	10 750	10 612	10 373	10 344	(X)
1990 ---	3 504	3 487	3 512	3 524	3 433	3 422	3 435	3 490	3 403	3 381	3 418	3 308	10 503	10 379	10 328	10 107	(X)
1991 ---	3 303	3 274	3 329	3 391	3 500	3 580	3 768	3 753	3 754	3 734	3 726	3 711	9 906	10 471	11 275	11 171	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-4.6	2.4	.5	-2.6	3.0	-1.6	-1.1	-2	-1.4	1.9	2.3	4.8	-4.8	-	-1.8	4.1	(X)
1983 ---	-4.2	-	6.0	1.9	1.6	2.5	3.4	-1.0	-2.6	3.9	1.8	1.5	1.5	7.9	4.0	3.5	(X)
1984 ---	1.0	-5	7	-5	-2.1	-2.9	-2.5	1.1	1	-4.1	-5	7	2.5	-2.5	-4.3	-3.8	(X)
1985 ---	-1.3	-1.2	2.9	-2.1	-	1.3	-1.4	2.1	1.2	3.1	-1.8	1.5	-8	-2	1.3	3.9	(X)
1986 ---	6	-1.2	-1.7	2	-2.7	5.0	1.1	3	-4	6	-1.2	5.2	-4	-1.5	3.5	1.3	(X)
1987 ---	-2.9	4.8	-2	9	-6	4.5	2.9	-1.1	9	-6	1.7	-3.6	3.0	3.5	5.2	-4	(X)
1988 ---	1.6	-1.1	7	6.9	-1.8	-1.6	-2.8	1.2	2.0	-7.3	6.3	7.3	-8	5.2	-3.1	7	(X)
1989 ---	-2.9	1.7	-2.5	5	1	-2.0	7	-2.0	-8	3.6	6	-9.0	4.0	-1.3	-2.3	-3	(X)
1990 ---	8.0	-5	7	3	-2.6	-3	4	1.6	-2.5	-6	1.1	-3.2	1.5	-1.2	-5	-2.1	(X)
1991 ---	-2	-9	1.7	1.9	3.2	2.3	5.3	-4	-	-5	-2	-4	-2.0	5.7	7.7	-9	(X)
PAPER AND ALLIED PRODUCTS, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 615	6 973	7 086	6 680	6 645	6 840	6 207	6 793	6 768	6 712	6 352	6 027	20 674	20 165	19 768	19 091	79 698
1983 ---	6 562	6 794	6 997	7 076	6 899	7 346	6 701	7 208	7 347	7 494	7 232	7 161	20 353	21 321	21 256	21 887	84 817
1984 ---	7 420	7 989	8 182	7 909	8 008	8 574	7 662	8 093	8 159	8 059	7 760	7 710	23 591	24 491	23 914	23 529	95 525
1985 ---	7 683	8 247	8 266	7 917	8 006	8 303	7 446	7 914	7 931	7 723	7 635	7 408	24 196	24 226	23 291	22 866	94 679
1986 ---	7 900	8 281	8 160	8 324	8 132	8 717	8 045	8 571	8 747	8 569	8 155	8 244	24 361	25 173	25 363	24 968	99 865
1987 ---	8 363	9 071	8 994	8 841	8 740	9 422	8 950	9 157	9 501	9 482	9 165	9 293	26 428	27 003	27 608	27 950	108 989
1988 ---	9 505	9 908	9 997	10 000	9 976	10 699	9 868	10 526	10 659	10 598	10 311	10 508	29 410	30 675	31 053	31 417	122 555
1989 ---	10 810	11 059	11 209	10 995	10 938	11 553	10 561	10 903	11 164	11 114	10 787	10 273	33 078	33 486	32 628	32 174	131 366
1990 ---	10 685	11 072	11 306	10 827	10 975	11 361	10 734	11 241	11 184	11 142	10 692	10 225	33 063	33 163	33 159	32 059	131 444
1991 ---	10 249	10 518	10 387	10 113	10 070	10 858	10 171	10 583	10 720	10 635	10 114	9 948	31 154	31 042	31 474	30 697	124 367
Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 805	6 742	6 757	6 593	6 615	6 556	6 581	6 688	6 676	6 632	6 582	6 436	20 304	19 764	19 945	19 650	(X)
1983 ---	6 734	6 564	6 706	6 992	6 890	7 027	7 086	7 115	7 235	7 428	7 492	7 592	20 004	20 909	21 436	22 512	(X)
1984 ---	7 599	7 731	7 879	7 812	8 016	8 185	8 072	8 009	8 026	8 008	8 035	8 121	23 009	24 013	24 107	24 164	(X)
1985 ---	7 847	7 998	8 007	7 828	8 046	7 917	7 808	7 842	7 776	7 680	8 110	7 759	23 852	23 791	23 426	23 549	(X)
1986 ---	8 061	8 056	7 961	8 248	8 194	8 313	8 411	8 493	8 569	8 525	8 426	8 587	24 078	24 755	25 473	25 538	(X)
1987 ---	8 524	8 857	8 774	8 783	8 819	9 011	9 331	9 061	9 296	9 420	9 437	9 652	26 155	26 613	27 688	28 509	(X)
1988 ---	9 689	9 717	9 766	9 970	10 084	10 255	10 253	10 397	10 429	10 474	10 580	10 905	29 172	30 309	31 079	31 959	(X)
1989 ---	11 040	10 893	10 959	11 008	11 062	11 086	10 940	10 742	10 911	10 940	11 037	10 678	32 892	33 156	32 593	32 655	(X)
1990 ---	10 948	10 945	11 058	10 879	11 109	10 893	11 098	11 056	10 935	10 941	10 916	10 632	32 951	32 881	33 089	32 489	(X)
1991 ---	10 519	10 414	10 165	10 172	10 192	10 404	10 509	10 398	10 473	10 431	10 311	10 367	31 098	30 768	31 380	31 109	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.6	-9	2	-2.4	3	-9	4	1.6	-2	-7	-8	-2.2	1.1	-2.7	9	-1.5	(X)
1983 ---	4.6	-2.5	2.2	4.3	-1.5	2.0	8	4	1.7	2.7	9	1.3	1.8	4.5	2.5	5.0	(X)
1984 ---	1	1.7	1.9	-9	2.6	2.1	-1.4	-8	2	-2	3	1.1	3.1	3.5	4	2	(X)
1985 ---	-3.4	1.9	-1	-2.2	2.8	-1.6	-1.4	-4	-8	-1.2	5.6	-4.3	-1.3	-3	-1.5	5	(X)
1986 ---	3.9	-1	-1.2	3.6	-7	1.5	1.2	1.0	9	-5	-1.2	1.9	2.2	2.8	2.9	3	(X)
1987 ---	-7	3.9	-9	1	4	2.2	3.6	-2.9	2.6	1.3	2	2.3	2.4	1.8	4.0	3.0	(X)
1988 ---	4	3	5	2.1	1.1	1.7	-	1.4	3	4	1.0	3.1	2.3	3.9	2.5	2.8	(X)
1989 ---	1.2	-1.3	6	4	5	2	-1.3	-1.8	1.6	3	9	-3.3	2.9	8	-1.7	2	(X)
1990 ---	2.5	-	1.0	-1.6	2.1	-1.9	1.9	-4	-1.1	1	-2	-2.6	9	-2	6	-1.8	(X)
1991 ---	-1.1	-1.0	-2.4	1	2	2.1	1.0	-1.1	7	-4	-1.2	5	-4.3	-1.1	2.0	-9	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
PULP, PAPER, AND PAPERBOARD MILL PRODUCTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 825	3 026	3 119	2 879	2 858	2 906	2 607	2 791	2 803	2 775	2 723	2 494	8 970	8 643	8 201	7 992	33 806
1983 ---	2 716	2 885	2 963	2 982	2 928	3 113	2 819	3 029	3 113	3 116	3 123	3 116	8 564	9 023	8 961	9 355	35 903
1984 ---	3 161	3 475	3 597	3 490	3 590	3 708	3 294	3 460	3 466	3 327	3 359	3 324	10 233	10 788	10 220	10 010	41 251
1985 ---	3 193	3 496	3 539	3 394	3 283	3 360	2 996	3 228	3 151	3 085	3 355	3 013	10 228	10 037	9 375	9 453	39 093
1986 ---	3 161	3 316	3 321	3 436	3 288	3 556	3 376	3 442	3 595	3 599	3 431	3 615	9 798	10 280	10 413	10 645	41 136
1987 ---	3 659	3 824	3 872	3 780	3 718	3 900	3 912	3 930	4 005	4 081	4 058	4 222	11 355	11 398	11 847	12 361	46 961
1988 ---	4 268	4 503	4 510	4 549	4 455	4 650	4 460	4 690	4 711	4 668	4 638	4 798	13 281	13 654	13 861	14 104	54 900
1989 ---	4 919	5 049	4 984	4 927	4 913	5 047	4 725	4 830	4 784	4 778	4 708	4 459	14 952	14 887	14 339	13 945	58 123
1990 ---	4 630	4 850	4 918	4 690	4 792	4 862	4 709	4 923	4 921	4 836	4 718	4 631	14 398	14 344	14 553	14 185	57 480
1991 ---	4 569	4 652	4 566	4 326	4 362	4 602	4 384	4 472	4 491	4 493	4 336	4 282	13 787	13 290	13 347	13 111	53 535
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 951	2 930	2 949	2 808	2 801	2 779	2 780	2 799	2 802	2 794	2 777	2 620	8 830	8 388	8 381	8 191	(X)
1983 ---	2 819	2 789	2 807	2 913	2 886	2 976	3 002	3 042	3 108	3 158	3 187	3 244	8 415	8 775	9 152	9 589	(X)
1984 ---	3 258	3 362	3 420	3 409	3 562	3 552	3 493	3 475	3 465	3 380	3 431	3 427	10 040	10 523	10 433	10 238	(X)
1985 ---	3 267	3 383	3 388	3 318	3 280	3 228	3 157	3 245	3 151	3 135	3 433	3 075	10 038	9 826	9 553	9 643	(X)
1986 ---	3 215	3 210	3 200	3 367	3 304	3 435	3 535	3 455	3 597	3 647	3 511	3 665	9 625	10 106	10 587	10 823	(X)
1987 ---	3 706	3 705	3 753	3 724	3 751	3 791	4 068	3 937	3 999	4 115	4 150	4 266	11 164	11 266	12 004	12 531	(X)
1988 ---	4 312	4 371	4 394	4 512	4 506	4 539	4 610	4 684	4 694	4 678	4 735	4 848	13 077	13 557	13 988	14 261	(X)
1989 ---	4 977	4 911	4 874	4 919	4 969	4 937	4 862	4 808	4 752	4 770	4 798	4 513	14 762	14 825	14 422	14 081	(X)
1990 ---	4 698	4 725	4 821	4 707	4 843	4 755	4 834	4 887	4 881	4 814	4 799	4 698	14 244	14 305	14 602	14 311	(X)
1991 ---	4 651	4 536	4 482	4 350	4 404	4 497	4 494	4 436	4 450	4 467	4 406	4 351	13 669	13 251	13 380	13 224	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.8	-7	.6	-4.8	-2	-8	-	.7	.1	-3	-6	-5.7	4	-5.0	-1	-2.3	(X)
1983 ---	7.6	-1.1	.6	3.8	-9	3.1	9	1.3	2.2	1.6	9	1.8	2.7	4.3	4.3	4.8	(X)
1984 ---	4	3.2	1.7	-3	4.5	-3	-1.7	-5	-3	-2.5	1.5	-1	4.7	4.8	-9	-1.9	(X)
1985 ---	-4.7	3.6	.1	-1.1	-1.1	-1.6	-2.2	2.8	-2.9	-5	9.5	-10.4	-2.0	-2.1	-2.8	.9	(X)
1986 ---	4.6	-2	-3	5.2	-1.9	4.0	2.9	-2.3	4.1	1.4	-3.7	4.4	-2	5.0	4.8	2.2	(X)
1987 ---	1.1	-	1.3	-9	.7	1.1	7.3	-3.2	1.6	2.8	9	2.8	3.2	9	6.6	4.4	(X)
1988 ---	1.1	1.4	-	5	2.7	-1	1	1.6	2	-3	1.2	2.4	4.4	3.7	3.2	2.0	(X)
1989 ---	2.7	-1.3	-8	9	1.0	-6	-1.5	-1.1	-1.2	-4	6	-5.9	3.5	4	-2.7	-2.4	(X)
1990 ---	4.1	.6	2.0	-2.4	2.9	-1.8	1.7	1.1	-1	-1.4	-3	-2.1	1.2	.4	2.1	-2.0	(X)
1991 ---	-1.0	-2.5	-1.2	-2.9	1.2	2.1	-1	-1.3	.3	.4	-1.4	-1.2	-4.5	-3.1	1.0	-1.2	(X)
PAPERBOARD CONTAINERS AND BOXES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 497	1 637	1 671	1 589	1 577	1 643	1 519	1 647	1 684	1 711	1 558	1 459	4 805	4 809	4 850	4 728	19 192
1983 ---	1 594	1 627	1 692	1 687	1 685	1 776	1 640	1 766	1 816	1 922	1 811	1 673	4 913	5 148	5 222	5 406	20 689
1984 ---	1 798	1 822	1 987	1 912	1 924	1 991	1 838	1 971	1 973	2 055	1 897	1 773	5 607	5 827	5 782	5 725	22 941
1985 ---	1 910	1 976	2 044	2 019	1 965	2 018	1 788	1 951	1 965	1 968	1 897	1 734	5 930	6 002	5 712	5 540	23 184
1986 ---	1 890	1 985	1 986	1 986	1 999	2 082	1 878	2 074	2 087	2 046	1 946	1 863	5 861	6 067	6 039	5 855	23 822
1987 ---	1 933	2 107	2 124	2 144	2 151	2 353	2 122	2 197	2 280	2 276	2 096	2 080	6 164	6 648	6 595	6 452	25 863
1988 ---	2 159	2 223	2 221	2 302	2 352	2 533	2 248	2 474	2 530	2 501	2 349	2 301	6 603	7 187	7 252	7 151	30 481
1989 ---	2 370	2 525	2 623	2 616	2 567	2 659	2 406	2 627	2 546	2 656	2 497	2 389	7 518	7 842	7 579	7 542	30 510
1990 ---	2 511	2 571	2 627	2 519	2 592	2 600	2 404	2 641	2 588	2 666	2 492	2 299	7 709	7 711	7 633	7 457	30 481
1991 ---	2 377	2 381	2 268	2 407	2 367	2 446	2 341	2 491	2 452	2 561	2 377	2 277	7 026	7 220	7 284	7 215	28 745
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 561	1 592	1 591	1 565	1 574	1 587	1 617	1 619	1 637	1 627	1 601	1 617	4 744	4 726	4 873	4 845	(X)
1983 ---	1 656	1 591	1 622	1 663	1 679	1 710	1 739	1 733	1 763	1 831	1 864	1 852	4 869	5 052	5 235	5 547	(X)
1984 ---	1 861	1 792	1 918	1 884	1 911	1 910	1 945	1 929	1 916	1 966	1 958	1 955	5 571	5 705	5 790	5 879	(X)
1985 ---	1 971	1 950	1 983	1 988	1 947	1 933	1 891	1 911	1 904	1 892	1 905	1 901	5 904	5 868	5 706	5 698	(X)
1986 ---	1 950	1 965	1 934	1 952	1 976	1 991	1 988	2 017	2 021	1 976	2 022	2 029	5 849	5 919	6 026	6 027	(X)
1987 ---	1 994	2 089	2 072	2 108	2 125	2 255	2 247	2 130	2 208	2 202	2 176	2 252	6 155	6 488	6 585	6 630	(X)
1988 ---	2 228	2 211	2 169	2 263	2 326	2 434	2 379	2 394	2 459	2 413	2 430	2 478	6 608	7 023	7 232	7 321	(X)
1989 ---	2 445	2 521	2 563	2 575	2 541	2 566	2 544	2 540	2 484	2 551	2 570	2 566	7 529	7 682	7 568	7 687	(X)
1990 ---	2 591	2 576	2 566	2 479	2 571	2 517	2 542	2 552	2 536	2 549	2 554	2 468	7 733	7 567	7 630	7 571	(X)
1991 ---	2 450	2 390	2 215	2 369	2 351	2 372	2 476	2 406	2 410	2 444	2 428	2 446	7 055	7 092	7 292	7 318	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.0	2.0	-1	-1.6	.6	.8	1.9	.1	1.1	-6	-1.6	1.0	5	-4	3.1	-6	(X)
1983 ---	2.4	-3.9	1.9	2.5	1.0	1.8	1.7	-3	1.7	3.9	1.8	-6	5	3.8	3.6	6.0	(X)
1984 ---	5	-3.7	7.0	-1.8	1.4	-1	1.8	-8	-7	2.6	-4	-2	4	2.4	1.5	1.5	(X)
1985 ---	8	-1.1	1.7	.3	-2.1	-7	-2.2	1.1	-4	-6	7	-2	4	-6	-2.8	-1	(X)
1986 ---	2.6	8	-1.6	9	1.2	8	-2	1.5	2	-2.2	2.3	3	2.7	1.2	1.8	-	(X)
1987 ---	-1.7	4.8	-8	1.7	8	6.1	-4	-5.2	3.7	-3	-1.2	3.5	2.1	5.4	1.5	7	(X)
1988 ---	-1.1	-8	-1.9	4.3	2.8	4.6	-2.3	6	2.7	-1.9	7	2.0	-3	6.3	3.0	1.2	(X)
1989 ---	-1.3	3.1	1.7	5	-1.3	1.0	-9	-2	-2.2	2.7	7	-2	2.8	2.0	-1.5	1.6	(X)
1990 ---	1.0	-6	-4	-3.4	3.7	-2.1	1.0	4	-6	5	2	-3.4	6	-2.1	8	-8	(X)
1991 ---	-7	-2.4	-7.3	7.0	-8	9	4.4	-2.8	2	1.4	-7	7	-6.8	5	2.8	4	(X)

See footnotes at end of table.



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MISCELLANEOUS CONVERTED PAPER PRODUCTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	2 293	2 310	2 296	2 212	2 210	2 291	2 081	2 355	2 281	2 226	2 071	2 074	6 899	6 713	6 717	6 371	26 700
1983	2 252	2 282	2 342	2 407	2 286	2 457	2 242	2 413	2 418	2 456	2 298	2 372	6 876	7 150	7 073	7 126	28 225
1984	2 461	2 692	2 598	2 507	2 494	2 875	2 530	2 662	2 720	2 677	2 504	2 613	7 751	7 876	7 912	7 794	31 333
1985	2 580	2 775	2 683	2 504	2 758	2 925	2 662	2 727	2 815	2 670	2 642	2 661	8 038	8 187	8 204	7 973	32 402
1986	2 849	2 980	2 873	2 902	2 845	3 079	2 791	3 055	3 065	2 924	2 778	2 766	8 702	8 826	8 911	8 468	34 907
1987	2 771	3 140	2 998	2 917	2 871	3 169	2 916	3 030	3 216	3 135	3 011	2 991	8 909	8 957	9 162	9 137	36 165
1988	3 078	3 182	3 266	3 149	3 169	3 516	3 160	3 362	3 418	3 429	3 324	3 409	9 526	9 834	9 940	10 137	39 462
1989	3 521	3 485	3 602	3 452	3 458	3 847	3 430	3 446	3 834	3 680	3 582	3 425	10 608	10 757	10 710	10 687	42 762
1990	3 544	3 651	3 761	3 618	3 591	3 899	3 621	3 677	3 675	3 640	3 482	3 295	10 956	11 108	10 973	10 417	43 454
1991	3 303	3 485	3 553	3 380	3 341	3 811	3 446	3 620	3 777	3 581	3 401	3 389	10 341	10 532	10 843	10 371	42 087
Seasonally Adjusted—Millions of Dollars																	
1982	2 293	2 220	2 217	2 220	2 240	2 190	2 184	2 270	2 237	2 211	2 204	2 199	6 730	6 650	6 691	6 614	(X)
1983	2 259	2 184	2 277	2 416	2 325	2 341	2 345	2 340	2 364	2 439	2 441	2 496	6 720	7 082	7 049	7 376	(X)
1984	2 480	2 577	2 541	2 519	2 543	2 723	2 634	2 605	2 645	2 662	2 646	2 739	7 598	7 785	7 884	8 047	(X)
1985	2 609	2 665	2 636	2 522	2 819	2 756	2 760	2 686	2 721	2 653	2 772	2 783	7 910	8 097	8 167	8 208	(X)
1986	2 896	2 881	2 827	2 929	2 914	2 887	2 888	3 021	2 951	2 902	2 893	2 893	8 604	8 730	8 860	8 688	(X)
1987	2 824	3 063	2 949	2 951	2 943	2 965	3 016	2 994	3 089	3 103	3 111	3 134	8 836	8 859	9 099	9 348	(X)
1988	3 149	3 135	3 203	3 195	3 252	3 282	3 264	3 319	3 276	3 383	3 415	3 579	9 487	9 729	9 859	10 377	(X)
1989	3 618	3 461	3 522	3 514	3 552	3 583	3 534	3 394	3 675	3 619	3 669	3 599	10 601	10 649	10 603	10 887	(X)
1990	3 659	3 644	3 671	3 693	3 695	3 621	3 722	3 617	3 518	3 578	3 563	3 466	10 974	11 009	10 857	10 607	(X)
1991	3 418	3 488	3 468	3 453	3 437	3 535	3 539	3 556	3 613	3 520	3 477	3 570	10 374	10 425	10 708	10 567	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	2.8	-3.2	-1	.1	.9	-2.2	-.3	3.9	-1.5	-1.2	-.3	-.2	2.5	-1.2	.6	-1.2	(X)
1983	2.7	-3.3	4.3	6.1	-3.8	.7	.2	-.2	1.0	3.2	.1	2.3	1.6	5.4	-.5	4.6	(X)
1984	-6	3.9	-1.4	-.9	1.0	7.1	-3.3	-1.1	1.5	.6	-.6	3.5	3.0	2.5	1.3	2.1	(X)
1985	-4.7	2.1	-1.1	-4.3	11.8	-2.2	.1	-2.7	1.3	-2.5	4.5	.4	-1.7	2.4	.9	.5	(X)
1986	4.1	-.5	-1.9	3.6	-.5	-.9	-.9	4.6	-2.3	-1.7	-.3	-.9	4.8	1.5	1.5	-1.9	(X)
1987	-2.4	8.5	-3.7	.1	-.3	.7	1.7	-.7	3.2	.5	.3	.7	1.7	.3	2.7	2.7	(X)
1988	.5	-.4	2.2	-.2	1.8	.9	-.5	1.7	-1.3	3.3	.9	4.8	1.5	2.6	1.3	5.3	(X)
1989	1.1	-4.3	1.8	-.2	1.1	.9	-1.4	-.4	8.3	-1.5	1.4	-1.9	2.2	.5	-.4	2.7	(X)
1990	1.7	-.4	.7	.6	.1	-2.0	2.8	-2.8	-2.7	1.7	-.4	-2.7	.8	.3	-1.4	-2.3	(X)
1991	-1.4	2.0	-.6	-.4	-.5	2.9	.1	.5	1.6	-2.6	-1.2	2.7	-2.2	.5	2.7	-1.3	(X)
CHEMICALS AND ALLIED PRODUCTS, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	14 308	15 225	16 134	15 451	15 432	15 780	13 352	14 324	15 271	13 570	13 483	13 924	45 667	46 663	42 947	40 977	176 254
1983	13 934	15 116	16 064	15 298	15 991	16 898	14 473	15 680	17 537	16 098	15 901	16 562	45 114	48 187	47 690	48 561	189 552
1984	15 114	17 119	18 327	17 670	17 700	18 582	15 992	17 025	17 927	16 453	16 119	16 935	51 560	53 952	50 944	49 507	205 963
1985	16 489	17 280	18 516	17 784	17 445	18 306	15 511	16 571	17 772	16 458	15 914	16 744	52 285	53 535	49 854	49 116	204 790
1986	16 848	17 536	17 652	17 915	17 089	17 637	15 778	16 942	18 218	16 826	16 462	17 208	52 036	52 641	50 538	50 496	205 711
1987	17 508	18 578	19 209	19 229	19 450	20 193	17 884	19 053	20 659	19 240	19 021	19 522	55 295	58 872	57 596	57 783	229 546
1988	19 849	20 920	22 246	21 956	21 208	22 468	20 183	22 003	22 850	21 923	21 849	22 243	63 015	65 632	65 036	66 015	259 698
1989	22 716	23 431	24 082	24 310	23 752	24 561	22 038	22 860	23 703	22 360	21 924	22 348	70 229	72 623	68 601	66 632	278 085
1990	22 402	23 377	24 805	24 632	23 792	25 030	22 232	24 698	25 592	24 449	24 027	23 148	70 584	73 454	72 522	71 624	288 184
1991	23 748	24 268	24 390	25 298	24 821	24 860	22 702	24 005	25 158	24 156	23 035	22 598	72 406	74 979	71 865	69 789	289 039
Seasonally Adjusted—Millions of Dollars																	
1982	14 737	14 928	14 793	15 055	14 918	14 859	14 633	14 751	14 670	14 089	14 285	14 256	44 458	44 832	44 054	42 630	(X)
1983	14 474	14 834	14 836	14 948	15 528	15 897	15 803	16 054	16 851	16 818	16 896	16 954	44 144	46 373	48 708	50 668	(X)
1984	16 736	16 783	17 014	17 162	17 142	17 510	17 464	17 449	17 210	17 183	17 111	17 343	50 533	51 814	52 123	51 637	(X)
1985	17 023	16 941	17 202	17 043	17 016	17 271	16 853	16 895	17 011	17 051	16 808	17 148	51 166	51 330	50 759	51 007	(X)
1986	17 347	17 207	16 517	17 264	16 872	16 687	16 223	17 228	17 394	17 335	17 330	17 691	51 071	50 823	51 245	52 356	(X)
1987	17 966	18 253	18 052	18 573	19 257	19 193	19 254	19 306	19 776	19 757	20 002	20 187	54 271	57 023	58 336	59 946	(X)
1988	20 338	20 620	20 970	21 143	21 058	21 423	21 626	22 233	22 016	22 384	22 821	23 156	61 928	63 624	65 875	68 361	(X)
1989	23 328	23 154	22 785	23 348	23 573	23 486	23 533	23 045	22 856	22 761	22 809	23 367	69 267	70 407	69 434	68 937	(X)
1990	23 041	23 193	23 525	23 636	23 694	23 958	23 682	24 838	24 743	24 744	24 965	24 305	69 759	71 288	73 263	74 014	(X)
1991	24 440	24 167	23 123	24 263	24 686	23 813	24 162	24 040	24 168	24 381	23 842	23 725	71 730	72 762	72 370	71 948	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-1.7	1.3	-.9	1.8	-.9	-.4	-1.5	.8	-.5	-4.0	1.4	-.2	-2.5	.8	-1.7	-3.2	(X)
1983	1.5	2.5	-.8	.8	3.9	2.4	-.6	1.6	5.0	-.2	.5	.3	3.6	5.0	5.0	4.0	(X)
1984	-1.3	.3	1.4	.9	-.1	2.1	-.3	-.1	-1.4	-.2	-.4	1.4	-.3	2.5	.6	-.9	(X)
1985	-1.8	-.5	1.5	-.9	-.2	1.5	-2.4	.2	.7	.2	-1.4	2.0	-.9	.3	-1.1	.5	(X)
1986	1.2	-.8	-4.0	4.5	-2.3	-1.1	-.4	3.6	1.0	-.3	-.9	-.9	2.1	.1	-.5	.8	(X)
1987	1.6	1.6	-1.1	2.9	3.7	-.3	.3	.3	2.4	-.1	1.2	.9	3.7	5.1	2.3	2.8	(X)
1988	.7	1.4	1.7	.8	-.4	1.7	.9	2.8	-1.0	1.7	2.0	1.5	3.3	2.7	3.5	3.8	(X)
1989	.7	-.7	-1.6	2.5	1.0	-.4	-.2	-2.1	-.8	-.4	-.2	2.4	1.3	1.6	-1.4	-.7	(X)
1990	-1.4	.7	1.4	.5	.2	1.1	-1.2	4.9	-.4	-.9	-.9	-2.6	1.2	2.2	2.8	1.0	(X)
1991	.6	-1.1	-4.3	4.9	1.7	-3.5	1.5	-.5	.5	.9	-2.2	-.5	-3.1	1.4	-.5	-.6	(X)

See footnotes at end of table.



Table 1. Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
INDUSTRIAL CHEMICALS —SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 145	8 974	9 228	8 640	8 453	8 864	7 579	8 110	8 554	7 801	7 790	7 944	26 347	25 957	24 243	23 535	100 082
1983 ---	7 702	8 596	9 111	8 924	9 034	9 716	8 477	9 051	9 992	9 419	9 406	9 713	25 409	27 674	27 520	28 538	109 141
1984 ---	9 436	10 328	10 828	10 483	10 061	10 582	9 344	9 822	10 000	9 605	9 497	9 451	30 592	31 126	29 166	28 553	119 437
1985 ---	9 050	9 957	10 175	9 729	9 697	9 971	8 921	9 299	9 705	9 378	9 353	9 419	29 182	29 397	27 925	28 150	114 654
1986 ---	9 043	9 755	9 643	9 863	9 313	9 488	8 673	9 256	9 578	9 252	9 171	9 351	28 441	28 462	27 505	27 774	112 182
1987 ---	9 297	10 285	10 373	10 520	10 904	11 036	10 189	10 528	10 944	10 818	10 880	10 825	29 955	32 480	31 681	32 101	126 177
1988 ---	10 558	11 527	12 014	11 923	11 878	12 470	11 813	12 219	12 637	12 718	12 784	12 948	34 099	38 269	36 889	38 446	145 483
1989 ---	12 858	13 696	13 654	13 884	13 678	13 778	12 679	12 658	12 710	12 582	12 137	11 887	40 208	41 320	38 047	36 586	156 161
1990 ---	12 178	13 262	13 486	13 151	13 099	13 425	12 048	13 475	13 811	13 888	13 245	12 451	38 904	39 875	39 335	39 362	157 276
1991 ---	12 981	13 159	12 979	13 250	12 890	12 858	12 188	12 712	12 847	12 750	12 139	11 547	39 119	38 998	37 747	36 436	152 300
Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 614	8 661	8 454	8 340	8 318	8 420	8 222	8 293	8 438	8 001	8 088	8 128	25 729	25 078	24 953	24 215	(X)
1983 ---	8 171	8 300	8 419	8 624	8 907	9 221	9 147	9 229	9 835	9 852	9 744	9 932	24 890	28 752	28 211	29 328	(X)
1984 ---	10 012	9 882	10 080	10 151	9 922	10 061	10 019	10 005	9 840	9 821	9 812	9 873	30 074	30 134	29 884	29 308	(X)
1985 ---	9 578	9 632	9 526	9 430	9 575	9 507	9 521	9 482	9 557	9 558	9 838	9 853	28 738	28 512	28 540	28 849	(X)
1986 ---	9 542	9 452	9 071	9 375	9 195	9 077	9 203	9 418	9 447	9 388	9 434	9 819	28 065	27 847	28 066	28 439	(X)
1987 ---	9 774	9 974	9 800	10 214	10 789	10 593	10 789	10 880	10 810	10 921	10 948	10 994	29 548	31 576	32 259	32 863	(X)
1988 ---	11 059	11 195	11 398	11 587	11 719	12 007	12 433	12 364	12 492	12 767	13 114	13 498	33 852	35 313	37 289	39 379	(X)
1989 ---	13 428	13 315	12 996	13 473	13 500	13 304	13 313	12 761	12 571	12 574	12 431	12 457	39 739	40 277	38 645	37 462	(X)
1990 ---	12 888	12 903	12 850	12 782	12 925	12 895	12 627	13 554	13 662	13 808	13 554	13 139	38 441	38 702	39 843	40 299	(X)
1991 ---	13 513	12 799	12 402	12 877	12 718	12 484	12 770	12 768	12 703	12 673	12 418	12 219	38 714	38 059	38 241	37 310	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.3	.5	-2.4	-1.3	-.3	1.2	-2.4	.9	1.7	-6.2	1.1	.5	-4.1	-2.5	-.5	-3.0	(X)
1983 ---	.8	1.6	1.4	2.4	3.3	3.5	-.8	.9	8.6	-1.9	1.0	1.9	2.8	7.5	5.5	4.0	(X)
1984 ---	.8	-.3	1.0	.7	-2.3	1.4	-.4	-.1	-1.8	-2	-.1	-1.4	2.5	2	-.9	-1.9	(X)
1985 ---	-1.0	.6	-1.1	-1.0	1.5	-.7	-.1	-.8	1.0	-.8	.5	2.0	-1.9	-.8	-.1	1.1	(X)
1986 ---	-1.1	-.9	-4.0	3.4	-1.9	-1.3	1.4	2.3	.3	-.8	.5	2.0	-2.7	-1.5	1.5	1.3	(X)
1987 ---	1.8	2.0	-1.7	4.2	5.4	-1.6	1.7	-.8	1.2	1.0	2	4	3.9	6.9	2.2	1.9	(X)
1988 ---	.8	1.2	1.8	1.7	1.1	2.5	3.5	-.8	1.0	2.2	2.7	2.9	2.4	4.9	5.8	5.8	(X)
1989 ---	-.5	-.8	-2.4	3.7	.2	-1.5	-.1	-4.1	-1.5	-.1	-.1	2	.9	1.4	-4.1	-3.1	(X)
1990 ---	1.9	1.7	-.4	-.5	1.1	.5	-2.8	7.3	.8	-.4	-.4	-3.1	2.8	.7	2.9	1.1	(X)
1991 ---	2.8	-5.3	-3.1	3.8	-1.2	-2.0	2.5	-	-.5	-2	-2.0	-1.8	-3.9	-1.7	.5	-2.4	(X)
DRUGS, SOAPS, AND TOILETRIES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 688	4 112	4 503	4 226	4 116	4 528	3 870	4 221	4 951	4 129	4 096	4 287	12 303	12 870	13 042	12 512	50 727
1983 ---	4 187	4 502	4 648	4 081	4 211	4 832	4 108	4 646	5 452	4 571	4 515	4 809	13 337	13 124	14 206	13 895	54 562
1984 ---	4 404	4 563	4 970	4 346	4 476	5 349	4 364	4 962	5 764	4 768	4 670	5 102	13 937	14 171	15 090	14 540	57 738
1985 ---	4 878	4 990	5 361	4 441	4 656	5 862	4 586	5 225	6 007	5 121	4 795	5 369	15 229	14 959	15 818	15 285	61 291
1986 ---	5 399	5 480	5 437	5 007	5 083	5 930	4 857	5 650	6 583	5 638	5 509	5 811	16 316	16 020	17 090	16 958	66 384
1987 ---	5 824	5 927	6 015	5 545	5 552	6 603	5 628	6 387	7 561	6 274	6 139	6 556	17 766	17 700	19 576	18 969	74 011
1988 ---	6 693	6 800	7 029	6 414	6 148	7 180	5 842	7 337	7 794	6 925	6 769	6 911	20 522	19 742	20 973	20 605	81 842
1989 ---	7 211	7 058	7 291	6 701	6 658	7 752	6 856	7 518	8 440	7 205	7 301	7 992	21 560	21 111	22 814	22 498	87 983
1990 ---	7 525	7 537	8 055	7 515	7 318	8 221	7 368	8 311	9 019	8 130	8 109	8 050	23 117	23 054	24 698	24 289	95 158
1991 ---	8 149	8 423	8 129	8 103	8 226	8 749	7 828	8 634	9 701	8 790	8 498	8 669	24 701	25 078	26 163	25 957	101 899
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 835	4 097	4 242	4 563	4 390	4 253	4 253	4 239	4 220	4 166	4 260	4 245	12 174	13 206	12 712	12 671	(X)
1983 ---	4 328	4 487	4 388	4 417	4 496	4 508	4 544	4 634	4 649	4 649	4 714	4 747	13 203	13 421	13 827	14 110	(X)
1984 ---	4 513	4 542	4 713	4 709	4 792	4 967	4 851	4 923	4 930	4 866	4 885	5 029	13 768	14 468	14 704	14 780	(X)
1985 ---	4 956	4 957	5 105	4 804	5 013	5 434	5 114	5 162	5 160	5 220	5 017	5 303	15 018	15 251	15 436	15 540	(X)
1986 ---	5 431	5 435	5 207	5 397	5 506	5 506	5 404	5 569	5 684	5 722	5 754	5 766	16 073	16 409	16 657	17 242	(X)
1987 ---	5 816	5 882	5 785	5 940	6 030	6 165	6 233	6 282	6 573	6 335	6 377	6 550	17 483	18 135	19 088	19 262	(X)
1988 ---	6 661	6 760	6 784	6 820	6 880	6 753	6 423	7 204	6 822	6 956	6 991	6 944	20 205	20 253	20 449	20 891	(X)
1989 ---	7 179	7 046	7 043	7 070	7 228	7 343	7 491	7 369	7 433	7 204	7 497	8 064	21 268	21 641	22 293	22 765	(X)
1990 ---	7 505	7 562	7 778	7 885	7 936	7 824	8 008	8 142	7 975	8 102	8 297	8 139	22 845	23 645	24 125	24 538	(X)
1991 ---	8 142	8 488	7 843	8 483	8 907	8 344	8 490	8 455	8 595	8 745	8 673	8 773	24 473	25 734	25 540	26 191	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-4.9	6.8	3.5	7.6	-3.8	-3.1	-	-.3	-.4	-1.3	2.3	-.4	2.0	8.5	-3.7	-.3	(X)
1983 ---	2.0	3.7	-2.2	.7	1.8	.3	.8	2.0	.3	-	1.4	.7	4.2	1.7	3.0	2.0	(X)
1984 ---	-4.9	.6	3.8	-.1	1.8	3.7	-2.3	1.5	.1	-1.3	4	2.9	-2.4	5.1	1.6	.5	(X)
1985 ---	-1.5	-	3.0	-5.9	4.4	8.4	-5.9	.9	-	1.2	-3.9	5.7	1.6	1.6	1.2	.7	(X)
1986 ---	2.4	.1	-4.2	3.6	2.0	-	-1.9	3.1	2.1	-.7	.6	2	3.4	2.1	1.5	3.5	(X)
1987 ---	.9	1.1	-1.6	2.7	1.5	2.2	1.1	.8	4.6	-3.6	.7	2.7	1.4	3.7	5.3	.9	(X)
1988 ---	1.7	1.5	.4	.5	-2.1	1.1	-4.9	12.2	-5.3	2.0	.5	-.7	4.9	2	1.0	2.2	(X)
1989 ---	3.4	-1.9	-	.4	2.2	1.6	2.0	-1.6	-.9	-3.1	4.1	7.6	1.8	1.8	3.0	2.1	(X)
1990 ---	-6.9	.8	2.9	1.4	.6	-1.4	2.4	1.7	-2.1	1.6	2.4	-1.9	4	3.5	2.0	1.7	(X)
1991 ---	-	4.2	-7.6	8.2	5.0	-6.3	1.7	-4	1.7	1.7	-8	1.2	-3	5.2	-8	2.5	(X)

See footnotes at end of table



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
PETROLEUM AND COAL PRODUCTS, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	17 086	16 550	15 692	16 317	17 114	18 147	17 381	17 160	17 878	17 097	16 586	16 396	49 328	51 578	52 419	50 079	203 404
1983 ---	14 851	14 077	14 913	15 105	15 671	16 910	16 253	16 636	16 631	15 551	15 674	15 516	43 841	47 686	49 520	46 741	187 788
1984 ---	14 710	15 005	15 606	15 724	15 740	15 756	15 328	15 393	15 795	15 278	15 226	14 927	45 321	47 220	46 516	45 431	184 488
1985 ---	13 626	13 965	14 451	15 068	15 248	15 308	14 840	14 967	14 514	14 767	14 964	14 856	42 042	45 624	44 321	44 587	176 574
1986 ---	13 708	11 622	10 338	10 402	10 666	9 933	9 373	9 447	9 577	9 052	9 109	9 378	35 668	31 001	28 397	27 539	122 605
1987 ---	9 354	9 539	9 944	10 398	10 616	11 331	11 915	11 660	11 746	11 581	11 315	11 015	28 837	32 345	35 321	33 911	130 414
1988 ---	10 246	10 140	10 593	10 924	11 178	11 658	11 471	11 754	10 980	10 875	10 780	10 816	30 979	33 760	34 205	32 471	131 415
1989 ---	10 508	10 625	11 221	12 424	12 576	12 860	12 212	12 071	12 367	12 478	12 031	12 329	32 354	37 860	36 650	36 838	143 702
1990 ---	12 904	12 156	12 024	12 269	12 485	12 580	12 543	16 022	17 940	18 851	17 392	15 423	37 084	37 334	46 505	51 666	172 589
1991 ---	14 224	12 674	12 247	13 002	13 751	13 538	13 177	13 831	13 873	13 959	13 690	12 425	39 145	40 291	40 881	40 074	160 391
Seasonally Adjusted—Millions of Dollars																	
1982 ---	18 059	17 493	16 449	16 744	17 117	17 258	17 141	16 795	17 047	16 834	16 373	16 085	52 001	51 119	50 983	49 292	(X)
1983 ---	15 715	14 917	15 613	15 470	15 652	16 179	16 064	16 233	15 851	15 279	15 462	15 307	46 245	47 301	48 148	46 048	(X)
1984 ---	15 560	15 957	16 283	16 074	15 725	15 210	15 147	15 015	15 062	14 959	14 990	14 736	47 800	47 009	45 224	44 685	(X)
1985 ---	14 365	14 831	15 062	15 383	15 247	14 872	14 661	14 535	13 868	14 392	14 683	14 631	44 258	45 502	43 064	43 706	(X)
1986 ---	14 440	12 415	10 825	10 623	10 686	9 607	9 210	9 059	9 109	8 748	8 918	9 311	37 680	30 916	27 378	26 977	(X)
1987 ---	9 893	10 292	10 470	10 618	10 667	11 014	11 755	11 251	11 281	11 166	11 027	10 946	30 655	32 299	34 287	33 139	(X)
1988 ---	10 734	10 886	11 236	11 170	11 253	11 398	11 365	11 231	10 458	10 408	10 493	10 782	32 856	33 821	33 054	31 683	(X)
1989 ---	11 017	11 425	11 981	12 712	12 669	12 734	12 158	11 550	11 642	11 878	11 691	12 247	34 423	38 115	35 350	35 816	(X)
1990 ---	13 420	13 116	12 915	12 586	12 555	12 606	12 522	15 296	16 683	17 892	16 849	15 259	39 451	37 747	44 501	50 000	(X)
1991 ---	14 744	13 630	13 197	13 373	13 812	13 651	13 183	13 153	12 768	13 135	13 266	12 474	41 571	40 836	39 104	38 875	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.1	-3.1	-6.0	1.8	2.2	.8	-7	-2.0	1.5	-1.2	-2.7	-1.8	-2.4	-1.7	-3	-3.3	(X)
1983 ---	-2.3	-5.1	4.7	-9	1.2	3.4	-7	1.1	-2.4	-3.6	1.2	-1.0	-6.2	2.3	1.8	-4.4	(X)
1984 ---	1.7	2.6	2.0	-1.3	-2.2	-3.3	-4	-9	3	-7	2	-1.7	3.8	-1.7	-3.8	-1.2	(X)
1985 ---	-2.5	3.2	1.6	2.1	-9	-2.5	-1.4	-9	-4.6	3.8	2.0	-4	-1.0	2.8	-5.4	1.5	(X)
1986 ---	-1.3	-14.0	-12.8	-1.9	6	-10.1	-4.1	-1.6	6	-4.0	1.9	4.4	-13.8	-18.0	-11.4	-1.5	(X)
1987 ---	6.3	4.0	1.7	1.4	5	3.3	6.7	-4.3	3	-1.0	-1.2	-7	13.6	5.4	6.2	-3.3	(X)
1988 ---	-1.9	1.4	3.2	-6	7	1.3	-3	-1.2	-6.9	-5	8	2.8	-9	2.9	-2.3	-4.1	(X)
1989 ---	2.2	3.7	4.9	6.1	-3	5	-4.5	-5.0	8	2.0	-1.6	4.8	8.6	10.7	-7.3	1.3	(X)
1990 ---	9.6	-2.3	-1.5	-2.5	-2	4	-7	22.2	9.1	7.2	-5.8	-9.4	10.1	-4.3	17.9	12.4	(X)
1991 ---	-3.4	-7.6	-3.2	1.3	3.3	-1.2	-3.4	-2	-2.9	2.9	1.0	-6.0	-16.9	-1.8	-4.2	-6	(X)
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 495	4 894	4 839	4 814	4 762	5 184	4 592	4 942	5 090	5 027	4 486	4 182	14 228	14 760	14 624	13 695	57 307
1983 ---	4 531	4 818	4 805	5 060	5 064	5 545	5 013	5 480	5 727	5 894	5 617	5 316	14 154	15 669	16 220	16 827	62 870
1984 ---	5 310	5 865	6 007	6 134	5 999	6 496	5 873	6 301	6 494	6 429	6 270	5 760	17 182	18 629	18 668	18 459	72 938
1985 ---	5 839	6 425	6 353	6 393	6 405	6 571	6 094	6 174	6 526	6 671	6 422	5 717	18 617	19 369	18 794	18 810	75 590
1986 ---	5 956	6 514	6 459	6 698	6 585	7 163	5 863	6 401	7 006	7 010	6 546	6 178	18 929	20 446	19 270	19 734	78 379
1987 ---	6 418	7 435	7 590	7 345	7 310	7 795	6 450	6 930	7 546	7 776	7 395	6 644	21 443	22 450	20 926	21 815	86 634
1988 ---	6 891	7 685	7 923	7 876	8 014	8 396	7 131	7 932	8 365	8 466	7 914	7 607	22 499	24 286	23 428	23 987	94 200
1989 ---	7 935	8 474	8 356	8 578	8 677	9 154	7 734	8 158	8 298	8 166	7 541	7 346	24 765	26 409	24 190	23 053	98 417
1990 ---	7 287	8 160	8 940	8 507	8 446	9 193	8 257	8 807	8 958	9 280	8 130	7 433	24 387	26 146	26 022	24 843	101 398
1991 ---	7 831	8 389	8 396	8 723	8 784	9 258	8 424	8 963	9 318	9 413	8 358	7 745	24 616	26 765	26 705	25 516	103 602
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 777	4 772	4 743	4 719	4 766	4 879	4 877	4 824	4 856	4 750	4 607	4 682	14 292	14 364	14 557	14 039	(X)
1983 ---	4 833	4 738	4 739	4 956	5 060	5 181	5 286	5 382	5 457	5 595	5 750	5 926	14 310	15 197	16 125	17 271	(X)
1984 ---	5 692	5 778	5 937	5 995	5 963	6 034	6 180	6 261	6 204	6 128	6 408	6 393	17 407	17 992	18 645	18 929	(X)
1985 ---	6 282	6 310	6 253	6 235	6 332	6 088	6 445	6 187	6 250	6 374	6 566	6 327	18 845	18 655	18 882	19 267	(X)
1986 ---	6 426	6 380	6 326	6 522	6 466	6 617	6 236	6 453	6 731	6 705	6 722	6 824	19 132	19 605	19 420	20 251	(X)
1987 ---	6 933	7 280	7 397	7 155	7 130	7 175	6 870	6 999	7 253	7 446	7 660	7 342	21 610	21 460	21 122	22 448	(X)
1988 ---	7 438	7 547	7 710	7 678	7 776	7 714	7 592	7 969	8 041	8 091	8 252	8 436	22 695	23 168	23 602	24 779	(X)
1989 ---	8 564	8 366	8 133	8 363	8 389	8 411	8 202	8 130	7 970	7 804	7 903	8 177	25 063	25 163	24 302	23 884	(X)
1990 ---	7 861	8 110	8 716	8 299	8 149	8 452	8 716	8 722	8 602	8 864	8 549	8 306	24 687	24 900	26 040	25 719	(X)
1991 ---	8 444	8 370	8 200	8 508	8 460	8 508	8 876	8 841	8 946	9 000	8 812	8 666	25 014	25 476	26 663	26 478	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	6.3	-1	-6	-5	1.0	2.4	-	-1.1	.7	-2.2	-3.0	1.6	4.4	.5	1.3	-3.6	(X)
1983 ---	3.2	-2.0	-	4.6	2.1	2.4	2.0	1.8	1.4	2.5	2.8	3.1	1.9	6.2	6.1	7.1	(X)
1984 ---	-3.9	1.5	2.8	1.0	-5	1.2	2.4	1.3	-9	-1.2	4.6	-2	.8	3.4	3.6	1.5	(X)
1985 ---	-1.7	4	-9	-3	1.6	-3.9	5.9	-4.0	1.0	2.0	3.0	-3.6	-4	-1.0	1.2	2.0	(X)
1986 ---	1.6	-7	-8	3.1	-9	2.3	-5.8	3.5	4.3	-4	3	1.5	-7	2.5	-9	4.3	(X)
1987 ---	1.6	5.0	1.6	-3.3	-3	6	-4.3	1.9	3.6	2.7	2.9	-4.2	6.7	-7	-1.6	6.3	(X)
1988 ---	1.3	1.5	2.2	-4	1.3	-8	-1.6	5.0	9	6	2.0	2.2	1.1	2.1	1.9	5.0	(X)
1989 ---	1.5	-2.3	-2.8	2.8	3	3	-2.5	-9	-2.0	-2.1	1.3	3.5	1.1	4	-3.4	-1.7	(X)
1990 ---	-3.9	3.2	7.5	-4.8	-1.8	3.7	3.1	1	-1.4	3.0	-3.6	-2.8	3.4	.9	4.6	-1.2	(X)
1991 ---	1.7	-9	-2.0	3.8	-6	6	4.3	-4	1.2	6	-2.1	-1.7	-2.7	1.8	4.7	-7	(X)



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
ALL OTHER NONDURABLE GOODS INDUSTRIES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 919	12 856	12 649	11 789	11 857	12 125	12 050	13 293	13 348	13 501	13 118	11 399	36 424	35 771	38 691	38 018	148 904
1983 ---	11 741	12 931	12 571	12 407	12 444	13 049	13 037	14 500	14 548	15 239	15 034	12 951	37 243	37 900	42 085	43 224	160 452
1984 ---	13 144	14 450	14 413	13 923	13 946	14 501	14 308	15 631	15 973	15 903	15 486	13 923	42 007	42 370	45 912	45 312	175 601
1985 ---	13 593	15 187	15 582	14 434	14 691	15 246	14 708	16 781	16 956	16 953	16 705	14 865	44 362	44 371	48 445	48 523	185 701
1986 ---	14 534	16 217	16 461	15 132	15 187	16 761	15 104	17 328	18 034	17 803	17 731	15 633	47 212	47 080	50 466	51 167	195 925
1987 ---	15 268	17 272	17 392	16 464	16 359	17 594	16 918	18 491	19 190	19 334	18 567	16 673	49 932	50 417	54 599	54 574	209 522
1988 ---	16 339	18 032	18 123	17 415	16 918	18 577	17 603	19 260	19 943	19 952	18 943	17 496	52 494	52 910	56 806	56 391	218 601
1989 ---	16 733	18 767	18 225	18 100	17 393	18 585	17 659	19 800	20 459	20 420	19 777	17 245	53 725	54 078	57 918	57 442	223 163
1990 ---	17 247	19 002	19 072	18 645	18 173	19 445	18 510	20 476	20 980	21 291	20 535	17 984	55 321	56 263	59 966	59 810	231 360
1991 ---	17 757	19 522	19 255	18 687	18 105	19 090	18 918	20 595	21 163	21 911	21 192	18 448	56 534	55 882	60 676	61 551	234 643
Seasonally Adjusted—Millions of Dollars																	
1982 ---	11 931	12 697	12 661	12 299	12 416	12 275	12 426	12 474	12 376	12 369	12 467	12 433	37 289	36 990	37 276	37 269	(X)
1983 ---	12 814	12 760	12 571	12 972	13 042	13 196	13 451	13 623	13 448	14 002	14 276	14 144	38 145	39 210	40 522	42 422	(X)
1984 ---	14 393	14 245	14 356	14 591	14 667	14 624	14 824	14 745	14 741	14 636	14 688	15 087	42 994	43 882	44 310	44 411	(X)
1985 ---	14 857	15 029	15 508	15 141	15 473	15 317	15 294	15 825	15 606	15 587	15 851	16 012	45 394	45 931	46 725	47 450	(X)
1986 ---	15 954	16 051	16 366	15 872	16 089	16 775	15 751	16 437	16 554	16 376	16 833	16 720	48 371	48 736	48 742	49 929	(X)
1987 ---	16 788	17 148	17 297	17 198	17 381	17 581	17 680	17 516	17 577	17 751	17 642	17 844	51 233	52 160	52 773	53 237	(X)
1988 ---	17 952	17 913	18 066	18 088	18 022	18 519	18 415	18 266	18 298	18 270	17 986	18 792	53 931	54 629	54 979	55 048	(X)
1989 ---	18 379	18 716	18 211	18 721	18 532	18 553	18 485	18 777	18 812	18 676	18 767	18 443	55 306	55 806	56 074	55 886	(X)
1990 ---	18 914	18 987	19 088	19 204	19 384	19 420	19 379	19 406	19 309	19 423	19 472	19 289	56 989	58 008	58 094	58 184	(X)
1991 ---	19 463	19 555	19 297	19 266	19 342	19 031	19 757	19 463	19 448	19 947	20 084	19 944	58 315	57 639	58 668	59 975	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.3	6.4	-3	-2.9	1.0	-1.1	1.2	.4	-8	-1	.8	-3	6.6	-8	.8	-	(X)
1983 ---	3.1	-4	-1.5	3.2	.5	1.2	1.9	1.3	-1.3	4.1	2.0	-9	2.4	2.8	3.3	4.7	(X)
1984 ---	1.8	-1.0	.8	1.6	.5	-3	1.4	-5	-	-7	.4	2.7	1.3	2.1	1.0	.2	(X)
1985 ---	-1.5	1.2	3.2	-2.4	2.2	-1.0	-2	3.5	-1.4	-1	1.7	1.0	2.2	1.2	1.7	1.6	(X)
1986 ---	-4	.6	2.0	-3.0	1.4	4.3	-6.1	4.4	.7	-1.1	2.8	-7	1.9	.8	-	2.4	(X)
1987 ---	.4	2.1	.9	-6	1.1	1.2	.6	-9	.3	1.0	-6	1.1	2.6	1.8	1.2	.9	(X)
1988 ---	.6	-2	.9	.1	-4	2.8	-6	-8	.2	-2	-1.6	4.5	1.3	1.3	.6	.1	(X)
1989 ---	-2.2	1.8	-2.7	2.8	-1.0	.1	-4	1.6	.2	-7	.5	-1.7	.5	.9	.5	-3	(X)
1990 ---	2.6	.4	.5	.6	.9	.2	-2	.1	-5	.6	.3	-9	2.0	1.8	.1	.2	(X)
1991 ---	.9	.5	-1.3	-2	.4	-1.6	3.8	-1.5	-1	2.6	.7	-7	2	-1.2	1.8	2.2	(X)
AUTOMOTIVE EQUIPMENT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 950	4 536	5 234	5 580	5 653	5 948	4 623	4 620	5 155	5 110	4 461	4 070	13 720	17 181	14 398	13 641	58 940
1983 ---	5 025	5 862	6 169	6 307	6 530	7 045	5 445	5 914	7 030	7 556	7 300	6 611	17 056	19 882	18 389	21 467	76 794
1984 ---	7 523	8 107	8 517	8 180	7 939	8 450	6 470	7 181	7 423	8 254	8 129	6 786	24 147	24 569	21 074	23 169	92 959
1985 ---	7 892	8 338	8 770	8 458	8 690	8 497	6 363	7 309	8 730	8 883	8 532	6 851	25 000	25 645	22 402	24 266	97 313
1986 ---	8 612	8 822	8 581	9 319	8 757	9 089	6 717	7 401	8 684	9 266	7 957	7 939	26 015	27 634	22 802	25 162	101 144
1987 ---	8 498	10 115	10 004	9 478	9 432	9 310	6 333	7 250	8 741	9 699	8 936	7 232	28 617	28 220	22 324	25 867	105 028
1988 ---	8 345	9 458	9 831	9 800	10 171	10 135	6 834	8 441	9 538	10 817	9 979	9 030	27 634	30 106	24 813	29 826	112 379
1989 ---	10 112	10 850	10 442	11 005	10 634	9 706	6 147	9 407	9 817	10 110	9 921	8 082	31 404	31 345	25 371	28 113	116 233
1990 ---	6 530	9 753	10 569	9 917	10 922	10 949	7 033	9 618	9 698	10 946	8 370	5 997	26 852	31 788	26 349	25 313	110 302
1991 ---	7 060	7 964	7 555	9 041	9 777	9 211	6 844	8 952	9 866	11 030	9 679	6 992	22 579	28 029	25 662	27 701	103 971
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 201	4 493	4 745	5 104	5 221	5 385	5 583	5 292	5 052	4 746	4 440	4 846	13 439	15 710	15 927	14 032	(X)
1983 ---	5 314	5 750	5 607	5 755	6 022	6 364	6 621	6 700	6 902	7 105	7 219	7 887	16 671	18 141	20 223	22 211	(X)
1984 ---	7 909	7 801	7 771	7 495	7 318	7 663	7 971	8 123	7 299	7 773	8 033	8 083	23 481	22 476	23 393	23 889	(X)
1985 ---	8 260	7 872	8 028	7 767	8 019	7 771	7 949	8 258	8 568	8 311	8 409	8 131	24 160	23 557	24 775	24 851	(X)
1986 ---	9 010	8 241	7 888	8 579	8 075	8 377	8 569	8 338	8 489	8 561	7 831	9 394	25 139	25 031	25 396	25 786	(X)
1987 ---	8 941	9 451	9 228	8 761	8 685	8 596	8 178	8 044	8 499	8 845	8 773	8 579	27 620	26 042	24 721	26 197	(X)
1988 ---	8 862	8 902	9 118	9 071	9 308	9 374	9 007	9 225	9 217	9 713	9 761	10 823	26 882	27 753	27 449	30 297	(X)
1989 ---	10 866	10 268	9 738	10 205	9 675	8 961	8 156	10 110	9 475	8 975	9 723	9 809	30 872	28 841	27 741	28 507	(X)
1990 ---	7 076	9 307	9 894	9 196	9 673	10 144	9 473	10 175	9 352	9 631	8 169	7 347	26 277	29 213	29 000	25 147	(X)
1991 ---	7 699	7 635	7 105	8 399	8 798	8 557	9 261	9 351	9 504	9 691	9 429	8 615	22 439	25 754	28 116	27 735	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-8.5	7.0	5.6	7.6	2.3	3.1	3.7	-5.2	-4.5	-6.1	-6.4	9.1	-5.7	16.9	1.4	-11.9	(X)
1983 ---	9.7	8.2	-2.5	2.6	4.6	5.7	4.0	1.2	3.0	2.9	1.6	9.3	18.8	8.8	11.5	9.8	(X)
1984 ---	.3	-1.4	-4	-3.6	-2.4	4.7	4.0	1.9	-10.1	6.5	3.3	.6	5.7	-4.3	4.1	2.1	(X)
1985 ---	2.2	-4.7	2.0	-3.3	3.2	-3.1	2.3	3.9	3.8	-3.0	1.2	-3.3	1.1	-2.5	5.2	.3	(X)
1986 ---	10.8	-8.5	-4.3	8.8	-5.9	3.7	2.3	-2.7	1.8	.8	-8.5	20.0	1.2	-4	1.5	1.5	(X)
1987 ---	-4.8	5.7	-2.4	-5.1	-9	-1.0	-4.9	-1.6	5.7	4.1	-8	-2.2	7.1	-5.7	-5.1	6.0	(X)
1988 ---	3.3	.5	2.4	.5	2.6	.7	-3.9	2.4	-1	5.4	.5	10.9	2.6	3.2	-1.1	10.4	(X)
1989 ---	.4	-5.5	-5.2	4.8	-5.2	-7.4	-9.0	24.0	-6.3	-5.3	8.3	.9	1.9	-6.6	-3.8	2.8	(X)
1990 ---	-27.9	31.5	6.3	-7.1	7.4	2.7	-6.6	7.4	-8.1	3.0	-15.2	-10.1	-7.8	11.2	.7	-13.3	(X)
1991 ---	4.8	-8	-6.9	18.2	4.8	-2.7	8.2	1.0	1.6	2.0	-2.7	-8.6	-10.8	14.8	9.2	-1.4	(X)



## 28 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
HOME GOODS AND APPAREL—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 264	11 595	11 973	10 606	10 532	11 463	10 459	12 252	12 432	12 237	11 107	6 846	32 832	32 603	35 143	32 190	132 786
1983 ---	9 582	11 456	11 469	11 021	10 952	12 144	11 200	13 279	13 659	13 741	13 050	10 657	32 527	34 117	36 138	37 448	142 230
1984 ---	11 109	13 112	13 393	11 992	12 297	13 302	11 929	13 823	13 950	13 651	12 763	10 646	37 614	37 591	39 702	37 262	152 169
1985 ---	10 590	12 784	13 241	12 028	12 066	13 106	11 792	14 365	14 463	14 453	13 674	10 959	36 615	37 200	40 640	39 066	153 541
1986 ---	11 321	13 516	13 752	12 532	12 313	14 239	12 394	14 590	15 322	14 516	13 767	11 111	36 589	39 064	42 306	39 414	159 393
1987 ---	11 406	13 781	14 131	12 876	12 704	14 343	12 731	14 620	15 524	14 967	13 934	11 310	39 320	39 923	43 075	40 231	162 548
1988 ---	11 742	14 105	14 313	13 037	12 833	14 866	13 148	15 095	16 011	15 562	14 540	12 355	40 160	40 956	44 254	42 457	167 627
1989 ---	12 536	14 648	14 683	13 793	13 339	15 068	13 047	15 646	16 041	16 096	14 833	12 137	42 066	42 201	44 736	43 066	172 071
1990 ---	12 308	14 689	14 627	13 253	13 762	15 321	13 421	15 561	15 926	16 316	15 091	12 496	41 824	42 336	44 806	43 805	173 073
1991 ---	12 365	14 442	14 584	13 991	13 752	15 631	14 460	16 541	17 409	17 666	16 676	13 379	41 411	43 374	46 410	46 125	161 320
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 741	11 404	11 508	11 069	11 131	11 075	11 199	11 122	11 124	10 854	10 757	10 626	33 654	33 295	33 445	32 337	(X)
1983 ---	11 091	11 219	11 014	11 538	11 558	11 899	11 952	12 060	12 206	12 365	12 656	12 602	33 324	34 795	36 216	37 623	(X)
1984 ---	12 676	12 629	12 624	12 558	12 699	12 778	12 755	12 599	12 414	12 513	12 413	12 746	36 531	38 333	37 768	37 672	(X)
1985 ---	12 296	12 485	12 651	12 641	12 784	12 558	12 628	13 127	12 618	13 057	13 260	13 056	37 432	37 991	36 571	39 375	(X)
1986 ---	13 123	13 196	13 151	13 206	13 142	13 605	13 297	13 407	13 516	13 104	13 357	13 183	39 472	39 855	40 222	39 654	(X)
1987 ---	13 260	13 466	13 469	13 546	13 574	13 868	13 637	13 618	13 732	13 513	13 489	13 408	40 235	40 789	40 967	40 421	(X)
1988 ---	13 662	13 791	13 719	13 667	13 646	14 242	14 066	13 933	14 168	13 959	14 026	14 613	41 162	41 777	42 207	42 600	(X)
1989 ---	14 586	14 405	14 316	14 482	14 250	14 275	13 995	14 501	14 261	14 369	14 280	14 220	43 319	43 017	42 777	42 869	(X)
1990 ---	14 303	14 501	14 410	13 901	14 707	14 504	14 367	14 430	14 202	14 502	14 428	14 657	43 214	43 112	43 018	43 567	(X)
1991 ---	14 405	14 266	14 125	14 732	14 733	14 762	15 513	15 351	15 516	15 613	16 065	15 726	42 616	44 247	46 362	47 624	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.9	6.2	.9	-3.6	.4	-.5	1.1	-.7	-	-1.5	-1.6	-1.2	3.9	-1.1	.5	-3.3	(X)
1983 ---	4.4	1.2	-1.6	4.8	.2	1.2	2.2	.9	1.2	1.3	2.4	1.2	3.1	4.4	4.1	4.4	(X)
1984 ---	.6	-.4	-	-2.1	3.5	-1.7	-2	-1.2	-1.5	.8	-.8	2.7	1.9	-.5	-1.5	-.3	(X)
1985 ---	-3.5	1.5	1.3	-.1	1.2	-1.9	.8	4.0	-2.4	1.9	1.8	-1.5	-.8	1.5	1.5	2.1	(X)
1986 ---	.5	.6	-.4	-.4	-.5	3.5	-2.3	.8	-.6	-3.1	1.9	-1.2	.2	1.2	.7	-1.4	(X)
1987 ---	.7	1.4	.2	-.4	.2	.7	-.2	-.1	.8	-1.6	-.1	-.7	1.5	1.4	.5	-1.4	(X)
1988 ---	2.0	.6	-.5	-.2	1.2	2.6	-1.1	-1.1	1.8	-1.6	.5	4.2	1.9	1.4	1.0	.9	(X)
1989 ---	-.1	-1.3	-.6	1.2	-1.7	.2	-2.0	3.6	-1.5	.8	-.9	-.3	1.7	-.7	-.6	.2	(X)
1990 ---	.6	1.4	-.6	-3.5	5.6	-1.4	-.8	.3	-1.6	2.1	-.5	1.6	.8	-.2	-.2	1.3	(X)
1991 ---	-1.7	-.6	-1.1	4.3	-	.3	4.9	-1.0	1.1	1.9	1.7	-2.2	-1.8	3.3	4.6	2.7	(X)
CONSUMER STAPLES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	37 631	40 275	40 354	39 267	40 463	42 829	39 044	40 355	43 758	41 217	40 478	40 254	118 480	122 579	123 157	121 949	466 145
1983 ---	37 221	39 279	41 005	38 996	40 434	43 067	39 292	41 822	44 381	41 656	41 491	42 325	117 505	122 497	125 495	125 672	491 169
1984 ---	38 967	41 027	43 469	41 888	42 197	44 408	41 103	42 652	45 303	43 491	42 495	43 636	123 483	128 493	129 056	129 624	510 658
1985 ---	40 006	42 664	44 621	41 807	43 417	45 295	41 279	42 799	45 236	43 041	43 592	44 245	127 291	130 519	129 316	130 878	516 004
1986 ---	40 992	41 748	41 939	40 012	41 424	43 615	39 238	41 762	44 999	42 426	42 196	42 923	124 679	125 051	126 019	127 547	503 296
1987 ---	39 369	42 423	43 762	42 385	43 331	46 565	43 300	44 634	46 736	45 624	45 456	45 965	125 574	132 281	136 672	137 265	531 792
1988 ---	42 626	44 753	47 206	45 290	46 662	49 753	45 122	48 255	50 946	48 071	47 995	48 148	134 589	141 705	144 323	144 214	564 831
1989 ---	45 414	47 665	50 061	48 464	49 909	51 984	46 778	50 095	53 170	51 111	50 650	51 104	143 140	150 357	150 443	152 865	596 405
1990 ---	46 136	50 503	53 190	50 961	52 768	54 536	50 209	55 865	59 628	58 714	57 651	54 693	151 829	158 265	165 702	171 056	646 854
1991 ---	50 198	52 521	54 129	51 785	54 996	56 283	51 150	54 515	57 909	55 945	55 832	53 609	156 848	163 064	163 574	165 366	648 872
Seasonally Adjusted—Millions of Dollars																	
1982 ---	40 661	40 955	39 871	40 672	40 840	40 907	40 662	40 160	40 998	40 456	40 396	39 799	121 487	122 419	121 840	120 651	(X)
1983 ---	39 987	39 881	40 413	40 319	40 752	41 160	40 920	41 676	41 515	41 158	41 473	41 781	120 281	122 231	124 111	124 412	(X)
1984 ---	41 871	41 684	42 614	43 260	42 498	42 495	42 912	42 585	42 329	42 757	42 476	43 076	126 369	128 253	127 826	128 309	(X)
1985 ---	43 028	43 327	43 670	43 115	43 719	43 335	43 067	42 719	42 279	42 305	43 521	43 691	130 225	130 169	128 065	129 517	(X)
1986 ---	43 919	42 449	41 212	41 274	41 727	41 595	41 142	41 696	41 957	41 645	42 123	42 537	127 580	124 596	124 795	126 305	(X)
1987 ---	42 207	43 221	43 058	43 671	43 605	44 413	45 403	44 429	45 501	44 917	45 206	45 678	128 486	131 689	135 333	135 801	(X)
1988 ---	45 666	45 714	46 464	46 643	46 836	47 545	47 409	47 926	47 570	47 049	47 637	47 957	137 844	141 024	142 905	142 643	(X)
1989 ---	48 715	48 844	49 257	49 901	50 036	49 612	49 235	49 698	49 615	49 902	50 142	50 991	146 816	149 749	148 548	151 035	(X)
1990 ---	51 691	51 929	52 337	52 530	52 764	52 395	53 048	55 314	55 636	57 151	56 881	54 707	155 957	157 689	163 998	168 739	(X)
1991 ---	53 931	54 078	53 213	53 360	54 939	54 088	54 152	53 945	53 965	54 449	55 051	53 645	161 222	162 387	162 062	163 145	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.6	.7	-2.6	2.0	.4	.2	-.6	-1.3	2.1	-1.3	-.1	-1.5	2.7	.8	-.5	-1.0	(X)
1983 ---	.5	-.3	1.3	-.2	1.1	1.0	-.6	1.8	-.4	-.9	.8	.7	-.3	1.6	1.5	.2	(X)
1984 ---	.2	-.4	2.7	1.0	-1.8	-	1.0	-.8	-.6	1.0	-.7	1.4	1.6	1.5	-.3	.4	(X)
1985 ---	-.1	.7	1.3	-1.7	1.4	-.9	-.6	-.8	-1.0	.1	2.9	4	1.5	-	-1.6	1.1	(X)
1986 ---	.5	-3.3	-2.9	.2	1.1	-.3	-1.1	1.3	6	-.7	1.1	1.0	-1.5	-2.3	2	1.2	(X)
1987 ---	-.8	2.4	-.4	1.4	-.2	1.9	2.2	-2.1	2.4	-1.3	6	1.0	1.7	2.5	2.8	.3	(X)
1988 ---	-	.1	1.6	.4	.4	1.5	-.3	1.1	-.7	-1.1	1.2	.7	1.5	2.3	1.3	-.2	(X)
1989 ---	1.6	.3	.8	1.3	.3	-.4	-1.2	.9	-.2	.6	.5	1.7	2.9	2.0	-.8	1.7	(X)
1990 ---	1.4	.5	.8	.4	.4	-.7	1.2	4.3	.6	2.7	-.5	-3.8	3.3	1.1	4.0	2.9	(X)
1991 ---	-1.4	.3	-1.6	.3	3.0	-1.5	-.1	-.4	-	-.9	1.1	-2.6	-4.5	.7	-.2	-.7	(X)



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
MACHINERY AND EQUIPMENT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	22 604	26 547	28 660	26 006	26 652	28 168	23 010	23 434	26 158	24 515	23 729	24 958	77 811	80 826	72 602	73 202	304 441
1983 ---	21 499	23 889	26 640	24 853	24 810	28 649	22 745	23 992	27 960	26 960	27 475	30 081	72 028	78 312	74 697	84 516	309 553
1984 ---	24 761	28 170	31 144	28 670	29 721	32 657	25 994	27 831	31 400	30 639	30 777	32 827	84 075	91 048	85 225	94 243	354 591
1985 ---	26 289	30 329	34 166	30 577	31 321	34 078	26 992	29 128	33 064	31 562	31 290	33 783	90 784	95 976	89 184	96 635	372 579
1986 ---	27 591	30 937	33 567	31 371	30 836	34 552	27 060	28 602	32 687	31 558	30 233	34 236	92 095	96 759	88 349	96 027	373 230
1987 ---	26 841	31 531	34 522	31 394	31 011	35 256	28 125	29 051	35 183	33 092	32 307	36 225	92 894	97 661	92 359	101 624	384 538
1988 ---	28 839	33 504	37 940	34 509	35 434	39 622	30 813	33 144	38 794	36 472	35 426	39 820	100 283	109 565	102 751	111 718	424 317
1989 ---	32 078	36 525	40 299	37 204	37 445	41 488	31 155	36 063	40 811	36 789	36 447	40 596	108 902	116 137	108 029	113 832	446 900
1990 ---	30 892	38 263	42 073	37 524	38 574	44 083	33 339	37 452	42 072	40 048	37 054	41 183	111 228	120 181	112 863	118 285	462 557
1991 ---	31 819	36 585	38 995	37 616	38 776	43 095	33 354	36 287	42 073	40 045	39 178	40 010	107 399	119 487	111 714	119 233	457 833
Seasonally Adjusted—Millions of Dollars																	
1982 ---	25 695	26 658	26 469	25 858	26 348	25 735	25 747	25 108	24 917	24 303	23 859	23 642	78 822	77 941	75 772	71 804	(X)
1983 ---	24 645	24 135	24 479	24 816	24 467	26 050	25 641	25 804	26 554	26 657	27 539	28 707	73 259	75 333	77 999	82 903	(X)
1984 ---	28 249	28 413	28 600	28 613	29 361	29 618	29 486	30 015	29 653	30 437	30 858	30 761	85 262	87 592	89 154	92 056	(X)
1985 ---	30 228	30 639	31 284	30 628	31 050	30 812	30 665	31 450	31 041	31 423	31 480	31 461	92 151	92 490	93 156	94 364	(X)
1986 ---	31 811	31 239	30 755	31 409	30 613	31 137	30 845	30 848	30 512	31 417	30 511	31 964	93 805	93 159	92 205	93 892	(X)
1987 ---	31 044	31 803	31 651	31 543	30 850	31 662	32 226	31 168	32 711	32 877	32 703	33 676	94 498	94 055	96 105	99 256	(X)
1988 ---	33 543	33 957	34 766	34 737	35 255	35 471	35 338	35 487	36 002	36 201	35 976	37 269	102 266	105 463	106 827	109 446	(X)
1989 ---	37 166	37 030	37 000	37 374	37 168	37 103	35 629	38 475	37 939	36 453	37 132	37 801	111 196	111 645	112 043	111 386	(X)
1990 ---	36 030	38 978	38 704	37 701	38 151	39 579	38 313	39 792	39 128	39 671	37 800	37 848	113 712	115 431	117 233	115 319	(X)
1991 ---	37 239	37 413	35 830	37 904	38 462	38 646	38 425	38 486	39 199	39 835	39 925	37 078	110 482	115 012	116 110	116 838	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.3	3.7	-7	-2.3	1.9	-2.3	-	-2.5	-8	-2.5	-1.8	-9	-1	-1.1	-2.8	-5.2	(X)
1983 ---	4.2	-2.1	1.4	1.4	-1.4	6.5	-1.6	6	2.9	4	3.3	4.2	2.0	2.8	3.5	6.3	(X)
1984 ---	-1.6	6	7	-	2.6	9	-4	1.8	-1.2	2.6	1.4	-3	2.8	2.7	1.8	3.3	(X)
1985 ---	-1.7	1.4	2.1	-2.1	1.4	-8	-5	2.6	-1.3	1.2	2	-1	1	4	7	1.3	(X)
1986 ---	1.1	-1.8	-1.5	2.1	-2.5	1.7	-9	-	-1.1	3.0	-2.9	4.8	-6	-7	-1.0	1.8	(X)
1987 ---	-2.9	2.4	-5	-3	-2.2	2.6	1.8	-3.3	5.0	5	-5	3.0	6	-5	2.2	3.3	(X)
1988 ---	-4	1.2	2.4	-1	1.5	6	-4	4	1.5	6	-6	3.6	3.0	3.1	1.3	2.5	(X)
1989 ---	-3	-4	-1	1.0	-6	-2	-4.0	8.0	-1.4	-3.9	1.9	1.8	1.6	4	4	-6	(X)
1990 ---	-4.7	8.2	-7	-2.6	1.2	3.7	-3.2	3.9	-1.7	1.4	-4.7	1	2.1	1.5	1.6	-1.6	(X)
1991 ---	-1.6	.5	-4.2	5.8	1.5	.5	-6	2	1.9	1.6	2	-7.1	-4.2	4.1	1.0	6	(X)
BUSINESS SUPPLIES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	13 074	13 574	13 596	13 501	13 836	13 898	12 725	13 269	13 982	13 609	13 408	13 174	40 244	41 235	39 976	40 191	161 646
1983 ---	12 780	13 067	13 524	13 419	13 935	14 307	13 056	14 096	14 761	14 838	14 514	14 601	39 371	41 661	41 913	43 954	166 899
1984 ---	14 002	14 727	15 132	15 074	15 373	15 616	14 442	15 258	15 875	15 812	15 221	15 286	43 861	46 063	45 575	46 319	181 818
1985 ---	14 724	15 175	16 164	15 808	15 975	15 829	14 393	15 345	16 174	15 931	15 821	15 793	46 063	47 612	45 912	47 535	187 122
1986 ---	15 138	15 235	15 316	15 332	15 057	15 354	13 599	15 005	15 873	15 849	15 347	15 444	45 689	45 743	44 577	46 640	182 649
1987 ---	14 797	15 763	16 384	16 288	16 287	16 896	15 562	16 400	17 360	17 567	17 003	16 870	46 944	49 471	49 322	51 440	197 177
1988 ---	16 277	16 773	17 661	17 587	17 211	17 896	16 551	17 701	18 499	18 704	18 275	17 937	50 711	52 694	52 751	54 916	211 072
1989 ---	17 269	18 337	18 521	19 009	18 595	19 041	17 220	18 556	19 372	19 489	18 894	17 994	54 127	56 645	55 148	56 377	222 297
1990 ---	18 091	18 778	19 496	19 780	19 039	19 750	18 011	20 071	21 294	21 567	20 629	19 169	56 365	58 569	59 376	61 365	235 675
1991 ---	18 548	19 032	19 386	19 594	19 193	19 286	17 834	19 253	19 842	20 306	19 537	18 192	56 966	58 073	56 929	58 035	230 003
Seasonally Adjusted—Millions of Dollars																	
1982 ---	13 595	13 675	13 406	13 469	13 585	13 507	13 535	13 377	13 473	13 198	13 447	13 203	40 676	40 561	40 385	39 848	(X)
1983 ---	13 373	13 160	13 357	13 443	13 722	13 958	13 893	14 177	14 228	14 448	14 598	14 627	39 890	41 123	42 298	43 673	(X)
1984 ---	14 678	14 839	14 911	15 051	15 127	15 267	15 459	15 377	15 271	15 345	15 255	15 289	44 428	45 445	46 107	45 889	(X)
1985 ---	15 406	15 317	15 867	15 660	15 842	15 508	15 376	15 424	15 517	15 342	15 742	15 759	46 590	47 100	46 317	46 843	(X)
1986 ---	15 879	15 393	15 040	15 212	15 060	15 052	14 615	15 182	15 186	15 166	15 201	15 480	46 312	45 324	44 983	45 847	(X)
1987 ---	15 554	15 945	16 082	16 162	16 357	16 577	16 708	16 444	16 628	16 810	16 839	17 003	47 581	49 096	49 780	50 652	(X)
1988 ---	17 113	17 000	17 334	17 353	17 342	17 546	17 811	17 736	17 724	17 850	18 038	18 228	51 447	52 241	53 271	54 116	(X)
1989 ---	18 177	18 608	18 223	18 713	18 726	18 695	18 503	18 561	18 529	18 567	18 584	18 357	55 008	56 134	55 593	55 508	(X)
1990 ---	19 065	19 100	19 232	19 445	19 221	19 411	19 370	20 034	20 332	20 468	20 273	19 618	57 397	58 077	59 736	60 359	(X)
1991 ---	19 547	19 400	19 153	19 214	19 308	18 952	19 175	19 161	18 888	19 213	19 139	18 689	58 100	57 474	57 224	57 041	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.1	6	-2.0	.5	.9	-6	.2	-1.2	.7	-2.0	1.9	-1.8	8	-3	-4	-1.3	(X)
1983 ---	1.3	-1.6	1.5	.6	2.1	1.7	-.5	2.0	.4	1.5	1.0	2	1	3.1	2.9	3.3	(X)
1984 ---	3	1.1	.5	.9	.5	.9	1.3	-.5	-.7	5	-.6	2	1.7	2.3	1.5	-.5	(X)
1985 ---	8	-6	3.6	-1.3	1.2	-2.1	-.9	3	6	-1.1	2.6	1	1.5	9	-1.5	1.1	(X)
1986 ---	8	-3.1	-2.3	1.1	-1.0	-1	-2.9	3.9	-	-1.1	2	1.8	-1.1	-2.1	-8	1.9	(X)
1987 ---	5	2.5	.9	.5	1.2	1.3	.8	-1.6	1.1	1.1	2	1.0	3.8	3.2	1.4	1.8	(X)
1988 ---	6	-7	2.0	.1	-1	1.2	1.5	-.4	-.1	.7	1.1	1	1.1	1.6	1.5	2.0	(X)
1989 ---	-3	2.4	-2.1	2.7	-.1	-2	-1.0	.3	-.2	2	1	-1.2	1.6	2.0	-1.0	-2	(X)
1990 ---	3.9	2	7	1.1	-1.2	1.0	-2	3.4	1.5	.7	-1.0	-3.2	3.4	1.2	2.9	1.0	(X)
1991 ---	-4	-8	-1.3	.3	.5	-1.8	1.2	-.1	-1.4	1.7	-.4	-2.4	-3.7	-1.1	-4	-1.3	(X)



## 30 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
CONSTRUCTION MATERIALS AND SUPPLIES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 383	9 240	9 932	9 767	10 210	10 469	9 634	10 212	10 174	10 050	9 228	8 478	27 555	30 446	30 020	27 756	115 777
1983 ---	8 702	9 371	10 042	10 258	10 756	11 641	10 420	11 360	11 898	11 833	11 099	10 401	28 115	32 655	33 678	33 333	127 781
1984 ---	9 931	11 286	11 737	11 795	11 785	12 779	11 448	12 366	12 581	12 664	11 798	11 060	32 954	36 359	36 395	35 522	141 230
1985 ---	10 286	11 272	12 169	12 284	12 609	13 542	12 198	13 101	13 412	13 324	12 074	10 832	33 727	38 435	38 711	36 230	147 103
1986 ---	11 034	11 911	12 839	13 465	13 177	14 060	12 515	13 187	13 996	13 910	12 510	11 506	35 784	40 702	39 698	37 926	154 110
1987 ---	11 307	13 109	13 764	13 753	13 521	14 495	13 511	13 923	15 081	15 241	14 114	13 048	38 180	41 769	42 515	42 403	184 867
1988 ---	12 145	13 602	14 879	15 040	14 795	15 962	13 980	14 963	15 702	15 449	14 446	13 897	40 626	45 797	44 645	43 792	174 860
1989 ---	13 536	14 170	15 136	14 955	15 121	16 071	13 940	15 708	15 824	15 784	14 606	13 384	42 842	46 147	45 472	43 774	178 235
1990 ---	13 011	14 593	15 469	15 112	15 568	16 460	14 502	15 739	15 638	15 616	13 949	12 722	43 073	47 140	45 879	42 287	178 379
1991 ---	12 031	12 931	13 398	13 958	14 364	15 397	13 920	15 079	15 455	15 462	14 328	12 866	38 360	43 719	44 454	42 656	169 189
Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 603	9 644	9 780	9 682	9 879	9 653	9 872	9 733	9 480	9 442	9 421	9 403	29 027	29 314	29 085	28 266	(X)
1983 ---	10 025	9 833	9 924	10 127	10 482	10 673	10 644	10 825	11 076	11 133	11 377	11 610	29 782	31 282	32 545	34 120	(X)
1984 ---	11 456	11 915	11 587	11 613	11 486	11 682	11 691	11 829	11 700	11 897	12 115	12 376	34 958	34 781	35 220	36 388	(X)
1985 ---	11 884	11 863	12 001	12 058	12 317	12 376	12 487	12 559	12 440	12 481	12 345	12 051	35 748	36 751	37 486	36 877	(X)
1986 ---	12 778	12 568	12 640	13 171	12 904	12 864	12 846	12 660	12 962	13 012	12 797	12 768	37 986	38 939	38 468	38 577	(X)
1987 ---	13 072	13 841	13 519	13 472	13 249	13 302	13 913	13 436	14 021	14 248	14 454	14 545	40 432	40 023	41 370	43 247	(X)
1988 ---	13 952	14 276	14 610	14 776	14 484	14 653	14 477	14 362	14 623	14 442	14 740	15 503	42 838	43 913	43 462	44 685	(X)
1989 ---	15 545	14 846	14 874	14 758	14 783	14 738	14 467	15 047	14 778	14 751	14 889	14 909	45 265	44 279	44 292	44 549	(X)
1990 ---	14 921	15 353	15 238	14 975	15 185	15 060	15 045	14 959	14 599	14 605	14 196	14 121	45 512	45 220	44 603	42 922	(X)
1991 ---	13 793	13 544	13 204	13 921	13 990	14 051	14 418	14 290	14 416	14 441	14 594	14 390	40 541	41 962	43 124	43 425	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.3	.4	1.4	-1.0	3.1	-3.3	2.3	-1.4	-2.6	-.4	-.2	-.2	1.1	1.0	-.8	-2.8	(X)
1983 ---	6.6	-1.9	.9	2.0	3.5	1.8	-.3	1.7	2.3	-.5	2.2	2.0	5.4	5.0	4.0	4.8	(X)
1984 ---	-1.3	4.0	-2.8	.2	-1.1	1.7	-.1	1.2	-1.1	1.7	1.8	2.2	2.5	-.5	1.3	3.3	(X)
1985 ---	-4.0	-.2	1.2	.5	2.1	.5	.9	.6	-.9	-.3	-1.1	-2.4	-1.8	2.8	2.0	-1.6	(X)
1986 ---	6.0	-1.6	.6	4.2	-2.0	-.3	-.1	-1.4	2.4	4.4	-1.7	-2	3.0	2.5	-1.2	.3	(X)
1987 ---	2.4	5.9	-2.3	-.3	-1.7	-.4	4.6	-3.4	4.4	1.6	1.4	.6	4.8	-1.0	3.4	4.5	(X)
1988 ---	-4.1	2.3	2.3	1.1	-2.0	1.2	-1.2	-.8	1.8	-1.2	2.1	5.2	-.9	2.5	-1.0	2.8	(X)
1989 ---	.3	-4.5	.2	-.8	.2	-.3	-1.8	4.0	-1.8	-.2	.9	1	1.3	-2.2	-.6	.6	(X)
1990 ---	.1	2.9	-.7	-1.7	1.4	-.8	-.1	-.6	-2.4	-.2	-2.8	-.5	2.2	-.6	-1.4	-3.8	(X)
1991 ---	-2.3	-1.8	-2.5	5.4	.5	-.4	2.6	-.9	-.9	.2	1.1	-1.4	-5.5	3.5	2.8	.7	(X)
DEFENSE PRODUCTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 748	4 494	4 896	4 535	4 868	5 393	4 762	4 889	5 586	5 279	5 305	5 819	13 138	14 796	15 237	16 403	59 574
1983 ---	4 875	5 701	6 104	5 772	5 820	6 266	5 747	5 833	6 394	6 187	6 353	6 771	16 680	17 858	17 974	19 311	71 823
1984 ---	5 630	6 486	6 721	6 557	6 499	6 812	6 180	6 489	6 939	7 038	7 003	7 750	18 837	19 868	19 608	21 791	80 104
1985 ---	6 386	7 415	7 788	7 143	7 296	8 040	6 951	7 573	8 160	8 396	8 384	9 067	21 589	22 479	22 664	25 847	92 599
1986 ---	6 871	8 220	8 266	8 093	8 164	8 959	8 136	8 053	8 893	8 776	9 189	10 461	23 357	25 216	25 082	28 426	102 081
1987 ---	7 196	8 345	9 733	8 390	8 607	9 533	8 104	8 349	9 412	8 786	8 988	10 316	25 274	26 530	25 865	28 090	105 759
1988 ---	7 205	8 379	9 543	7 979	8 090	9 204	7 617	8 429	9 265	8 230	8 908	11 367	25 127	25 273	25 311	28 505	104 216
1989 ---	7 204	8 247	9 048	7 984	8 420	9 283	7 339	8 301	8 992	8 102	8 828	10 788	24 499	25 687	24 632	27 718	102 536
1990 ---	6 984	7 868	9 503	8 156	8 907	9 361	7 977	8 720	8 815	8 627	9 174	10 454	24 355	26 424	25 512	28 255	104 546
1991 ---	6 780	7 990	8 772	8 322	8 122	8 933	7 315	8 866	9 428	8 549	9 036	10 368	23 542	25 377	25 609	27 953	102 481
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 227	4 447	4 602	4 538	4 850	5 170	5 133	5 089	5 370	5 210	5 292	5 461	13 276	14 558	15 592	15 963	(X)
1983 ---	5 537	5 627	5 761	5 818	5 836	6 009	6 197	6 089	6 160	6 099	6 291	6 226	16 925	17 663	18 446	18 616	(X)
1984 ---	6 445	6 419	6 367	6 666	6 567	6 517	6 693	6 774	6 697	6 937	6 843	6 980	19 231	19 750	20 164	20 760	(X)
1985 ---	7 388	7 363	7 403	7 333	7 425	7 654	7 582	7 898	7 860	8 294	8 132	7 963	22 154	22 412	23 340	24 389	(X)
1986 ---	8 057	8 221	7 840	8 402	8 354	8 486	8 953	8 381	8 544	8 681	8 841	8 944	24 118	25 242	25 878	26 466	(X)
1987 ---	8 558	8 470	9 216	8 795	8 814	9 005	8 996	8 646	9 023	8 744	8 629	8 682	26 244	26 614	26 665	26 055	(X)
1988 ---	8 638	8 587	9 036	8 403	8 245	8 682	8 503	8 690	8 837	8 256	8 540	9 462	26 261	25 330	26 030	26 258	(X)
1989 ---	8 729	8 566	8 567	8 413	8 556	8 723	8 196	8 485	8 563	8 169	8 439	8 796	25 862	25 692	25 244	25 404	(X)
1990 ---	8 525	8 243	9 030	8 633	9 033	8 795	8 968	8 867	8 385	8 724	8 737	8 503	25 798	26 461	26 220	25 964	(X)
1991 ---	8 293	8 408	8 343	8 791	8 230	8 420	8 233	8 993	8 979	8 684	8 624	8 523	25 044	25 441	26 205	25 831	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-4.1	5.2	3.5	-1.4	6.9	6.6	-.7	-.9	5.5	-3.0	1.6	3.2	3.7	9.7	7.1	2.4	(X)
1983 ---	1.4	1.6	2.4	1.0	.3	3.0	3.1	-1.7	1.2	-1.0	3.1	-1.0	6.0	4.4	4.4	.9	(X)
1984 ---	3.5	-.4	-.8	4.7	-1.5	-.8	2.7	1.2	-1.1	3.6	-1.4	2.0	3.3	2.7	2.1	3.0	(X)
1985 ---	5.8	-.3	.5	-.9	1.3	3.1	-.9	4.2	-.5	5.5	-2.0	-2.1	6.7	1.2	4.1	4.5	(X)
1986 ---	1.2	2.0	-4.6	7.2	-.6	1.6	5.5	-6.4	1.9	1.6	1.8	1.2	-1.1	4.7	2.5	2.3	(X)
1987 ---	-4.3	-1.0	8.8	-4.6	.2	2.2	-.1	-3.9	4.4	-3.1	-1.3	.6	-.8	1.4	.2	-2.3	(X)
1988 ---	-.5	-.6	5.2	-7.0	-.1	5.3	-2.1	2.2	1.7	-6.6	3.4	10.8	.8	-3.5	2.8	.9	(X)
1989 ---	-7.7	-1.9	-.1	-1.8	1.7	2.0	-6.0	3.5	.9	-4.6	3.3	4.2	-1.5	-.7	-1.7	.6	(X)
1990 ---	-3.1	-3.3	9.5	-4.4	4.6	-2.6	2.0	-1.1	-5.4	4.0	1	-2.7	1.6	2.6	-.9	-1.0	(X)
1991 ---	-2.5	1.4	-.8	5.4	-6.4	2.3	-2.2	9.2	-.2	-3.3	-.7	-1.2	-3.5	1.6	3.0	-1.4	(X)



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
OTHER MATERIALS, SUPPLIES, AND INTERMEDIATE PRODUCTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	51 993	56 594	58 336	55 798	55 768	57 768	48 950	52 273	54 552	51 439	49 371	48 081	166 923	169 334	155 775	148 891	640 923
1983 ---	49 378	53 318	56 730	55 270	56 950	60 691	52 467	57 246	61 836	61 245	59 800	59 384	159 426	172 911	171 549	180 429	684 315
1984 ---	59 527	64 850	68 331	66 047	65 829	69 106	59 799	64 548	66 413	65 450	63 439	61 296	192 708	200 982	190 760	190 185	774 635
1985 ---	60 103	65 134	67 732	65 267	65 528	67 455	58 714	62 966	65 340	64 933	63 191	59 832	192 969	198 250	187 020	187 956	766 195
1986 ---	60 501	65 116	65 371	65 444	63 966	66 889	57 301	61 311	66 007	64 666	61 902	61 504	190 988	196 299	184 619	188 072	759 978
1987 ---	60 115	68 051	70 572	68 156	68 414	72 200	63 468	67 619	73 331	72 590	70 718	68 962	198 738	208 770	204 418	212 270	824 196
1988 ---	67 421	74 254	78 346	76 811	77 310	82 266	70 574	77 280	82 586	80 814	78 171	77 157	220 021	236 387	230 440	236 142	922 990
1989 ---	76 716	81 872	83 928	82 642	82 136	85 064	71 814	79 232	82 513	80 650	77 499	73 948	242 516	249 842	233 559	232 097	958 014
1990 ---	72 303	79 610	84 553	80 379	82 218	85 696	73 370	82 543	84 678	84 414	78 877	73 475	236 466	248 293	240 591	236 766	962 116
1991 ---	72 411	76 667	77 697	77 856	78 851	82 035	71 575	78 807	82 192	81 511	77 015	71 413	226 775	238 742	232 574	229 939	928 030
Seasonally Adjusted—Millions of Dollars																	
1982 ---	55 043	55 320	54 689	54 456	54 430	54 286	53 476	53 002	52 777	50 762	50 851	51 085	165 052	163 172	159 255	152 698	(X)
1983 ---	52 488	52 236	53 365	54 019	55 617	56 927	57 202	58 003	59 814	60 524	61 618	63 226	158 089	166 563	175 019	185 368	(X)
1984 ---	63 298	63 503	64 399	64 493	64 372	64 831	65 110	65 550	64 168	64 627	65 181	64 986	191 200	193 696	194 828	194 794	(X)
1985 ---	63 983	63 734	63 889	63 670	64 229	63 381	63 997	64 001	63 016	63 892	64 719	63 107	191 606	191 606	191 014	191 718	(X)
1986 ---	64 559	63 718	61 781	63 931	62 854	62 921	62 662	62 256	63 452	63 381	63 184	64 790	190 058	189 706	188 370	191 355	(X)
1987 ---	64 325	66 741	66 867	66 769	67 280	68 064	69 470	68 411	70 310	70 946	72 121	72 773	197 933	202 113	208 191	215 840	(X)
1988 ---	72 131	73 099	74 469	75 397	75 979	77 627	77 346	77 836	79 017	78 670	79 495	81 695	219 699	229 003	234 199	239 860	(X)
1989 ---	82 090	80 924	80 050	81 265	80 674	80 288	78 534	79 335	78 801	78 264	78 728	78 320	243 064	242 227	236 670	235 312	(X)
1990 ---	77 520	79 122	80 923	79 158	80 633	80 910	80 372	82 256	80 849	81 726	80 035	77 778	237 565	240 701	243 477	239 539	(X)
1991 ---	77 598	76 486	74 500	76 708	77 193	77 411	78 439	78 267	78 367	78 786	78 133	76 064	228 584	231 312	235 073	232 983	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.8	5	-1.1	-4	-	-3	-1.5	-9	-4	-3.8	2	5	-1.2	-1.1	-2.4	-4.1	(X)
1983 ---	2.7	-5	2.2	1.2	3.0	2.4	5	1.4	3	1.2	1.8	2.6	3.5	5.4	5.1	5.9	(X)
1984 ---	1	3	1.4	1.1	-2	7	4	7	-2.1	7	9	-3	3.1	1.3	6	4	(X)
1985 ---	-1.5	-4	2	-3	-9	-1.3	1.0	-	-1.5	1.4	1.3	-2.5	-1.6	-2	-1	4	(X)
1986 ---	2.3	-1.3	-3.0	3.5	-1.7	-1	-4	-6	1.9	-1	-3	2.5	-9	-2	-7	1.6	(X)
1987 ---	-7	3.8	2	1	8	1.2	2.1	-1.5	2.8	9	1.7	9	3.4	2.1	3.0	3.7	(X)
1988 ---	-9	1.3	1.9	1.2	8	2.2	-4	-1.5	6	1.5	-4	1.0	2.8	1.8	4.2	2.3	(X)
1989 ---	-5	-1.4	-1.1	1.5	-7	-5	-2.2	1.0	-7	6	-5	1.3	-3	-3	-2.3	-6	(X)
1990 ---	-1.0	2.1	2.3	-2.2	1.9	3	-7	2.3	-1.7	1.1	-2.1	-2.8	1.0	1.3	1.2	-1.6	(X)
1991 ---	-2	-1.4	-2.6	3.0	6	3	1.3	-2	1	5	-8	-2.6	-4.6	1.2	1.6	-9	(X)
NONDEFENSE CAPITAL GOODS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	19 469	22 809	24 320	21 256	21 534	22 903	18 947	19 174	21 371	19 459	19 478	21 378	66 598	65 693	59 492	60 315	252 098
1983 ---	16 976	18 925	21 544	19 387	19 026	22 644	17 933	18 748	21 771	19 950	21 004	24 389	57 445	61 057	58 452	65 343	242 297
1984 ---	18 660	21 407	24 188	21 830	23 003	25 850	20 814	21 919	25 536	23 412	24 425	27 856	64 255	70 683	68 269	75 693	276 900
1985 ---	19 973	23 573	27 248	23 414	23 953	27 206	21 673	23 180	26 088	24 091	24 489	28 532	70 794	74 573	70 941	77 112	293 420
1986 ---	20 410	23 955	26 854	23 825	23 563	27 231	21 413	22 192	25 680	23 459	23 538	27 854	71 219	74 619	69 285	74 851	289 874
1987 ---	19 726	23 108	26 282	23 272	22 855	27 331	22 300	22 718	28 127	24 686	24 820	30 119	69 116	73 458	73 145	79 625	295 344
1988 ---	21 899	25 757	29 841	26 069	26 820	31 263	24 907	26 177	31 353	27 539	27 289	32 228	77 497	84 152	82 437	87 056	331 142
1989 ---	23 627	27 249	31 787	27 854	28 295	33 152	25 350	27 848	32 783	27 686	27 542	33 813	82 663	89 301	85 981	89 041	346 986
1990 ---	24 737	29 722	33 229	28 685	28 797	34 647	26 463	28 928	33 854	29 802	29 101	35 750	87 688	92 129	89 245	94 653	363 715
1991 ---	24 893	29 339	32 805	29 178	29 845	35 348	26 776	28 705	34 042	30 375	30 589	33 810	87 037	94 371	89 523	94 774	365 705
Seasonally Adjusted—Millions of Dollars																	
1982 ---	22 234	22 747	22 403	21 516	21 724	20 972	20 868	20 397	20 255	19 854	19 633	19 231	67 384	64 212	61 520	58 718	(X)
1983 ---	19 743	19 106	19 685	19 832	19 241	20 605	19 852	20 029	20 471	20 368	21 174	21 771	58 534	59 678	60 352	63 313	(X)
1984 ---	21 761	21 746	22 045	22 376	23 334	23 404	23 135	23 481	23 768	23 975	24 613	24 475	65 552	69 114	70 384	73 063	(X)
1985 ---	23 617	24 152	24 722	24 106	24 415	24 450	24 140	24 909	24 008	24 738	24 809	24 917	72 491	72 971	73 057	74 464	(X)
1986 ---	24 305	24 615	24 323	24 558	24 045	24 315	23 826	23 820	23 420	24 161	23 973	24 204	73 243	72 918	71 066	72 338	(X)
1987 ---	23 619	23 823	23 784	24 086	23 455	24 269	25 025	24 315	25 506	25 415	25 398	26 287	71 226	71 810	74 846	77 100	(X)
1988 ---	26 314	26 599	26 979	27 032	27 540	27 615	27 969	27 971	28 345	28 407	28 077	28 073	79 892	82 187	84 285	84 557	(X)
1989 ---	28 259	28 143	28 763	28 803	28 999	29 240	28 442	29 668	29 674	28 510	28 418	29 532	85 165	87 042	87 784	86 460	(X)
1990 ---	29 575	30 760	30 169	29 595	29 445	30 627	29 728	30 777	30 641	30 773	30 050	31 094	90 504	89 667	91 146	91 917	(X)
1991 ---	29 955	30 423	29 739	30 115	30 522	31 221	30 248	30 569	30 927	31 509	31 643	29 422	90 117	91 858	91 744	92 574	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-	2.3	-1.5	-4.0	1.0	-3.5	-5	-2.3	-7	-2.0	-1.1	-2.0	-2	-4.7	-4.2	-4.6	(X)
1983 ---	2.7	-3.2	3.0	7	-3.0	7.1	-3.7	9	2.2	-5	4.0	2.8	-3	2.0	1.1	4.9	(X)
1984 ---	-	-1	1.4	1.5	4.3	3	-1.1	1.5	1.2	9	2.7	-6	3.5	5.4	1.8	3.8	(X)
1985 ---	-3.5	2.3	2.4	-2.5	1.3	1	-1.3	3.2	-3.6	3.0	3	4	-8	7	1	1.9	(X)
1986 ---	-2.5	1.3	-1.2	1.0	-2.1	1.1	-2.0	-	-1.7	3.2	-8	1.0	-1.6	-4	-2.5	1.8	(X)
1987 ---	-2.4	9	-2	1.3	-2.6	3.5	3.1	-2.8	4.9	-4	-1	3.5	-1.5	8	4.2	3.0	(X)
1988 ---	1	1.1	1.4	2	1.9	3	1.3	-	1.3	2	-1.2	-	3.6	2.9	2.6	3	(X)
1989 ---	7	-4	2.2	1	7	8	-2.7	4.3	-	-3.9	-3	3.9	7	2.2	9	-1.5	(X)
1990 ---	1	4.0	-1.9	-1.9	-5	4.0	-2.9	3.5	-4	4	-2.3	3.5	4.7	-9	1.6	8	(X)
1991 ---	-3.7	1.6	-2.2	1.3	1.4	2.3	-3.1	1.1	1.2	1.9	4	-7.0	-2.0	1.9	-1	9	(X)



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
NONDEFENSE CAPITAL GOODS, EXCLUDING AIRCRAFT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	17 200	20 035	21 510	18 569	18 518	20 023	16 487	16 943	18 800	16 697	16 894	18 293	58 745	57 110	52 230	51 884	219 969
1983 ---	14 596	16 246	18 421	16 555	16 556	19 317	15 941	16 527	19 143	17 784	18 289	21 165	49 263	52 428	51 611	57 238	210 540
1984 ---	16 680	19 033	21 607	19 334	20 488	22 765	18 570	19 548	22 509	20 838	21 434	24 025	57 320	62 587	60 627	66 297	246 831
1985 ---	17 816	20 690	23 996	20 490	21 353	23 991	18 955	20 026	23 043	21 115	21 685	23 866	62 502	65 834	62 024	66 666	257 026
1986 ---	17 931	20 821	23 297	20 751	20 097	23 832	18 347	19 043	22 580	19 861	20 007	23 420	62 049	64 680	59 970	63 288	249 987
1987 ---	17 246	19 879	22 427	19 834	19 864	23 680	19 189	19 846	24 347	21 409	21 357	25 018	59 552	63 378	63 382	67 784	254 096
1988 ---	18 728	22 022	25 570	22 234	22 736	26 927	21 076	22 714	26 928	23 038	23 032	27 341	66 320	71 897	70 718	73 411	282 346
1989 ---	20 290	23 345	26 609	23 527	23 998	28 157	21 073	23 267	26 915	23 280	23 345	28 188	70 244	75 682	71 255	74 813	291 994
1990 ---	20 958	24 203	28 126	23 647	24 031	28 335	21 442	23 589	27 505	24 773	23 760	27 775	73 287	76 013	72 536	76 308	298 144
1991 ---	20 450	23 265	26 813	23 184	23 811	28 275	21 232	22 969	27 217	24 249	24 129	27 028	70 528	75 270	71 418	75 406	292 622
Seasonally Adjusted—Millions of Dollars																	
1982 ---	19 374	19 898	19 828	18 823	18 681	18 363	18 209	17 919	17 795	16 870	17 126	16 744	59 100	55 867	53 923	50 740	(X)
1983 ---	16 719	16 337	16 812	16 988	16 739	17 576	17 711	17 548	17 969	18 064	18 520	19 206	49 868	51 303	53 228	55 790	(X)
1984 ---	19 266	19 283	19 657	19 846	20 782	20 584	20 734	20 628	20 900	21 234	21 667	21 485	58 206	61 212	62 462	64 386	(X)
1985 ---	20 889	21 153	21 714	21 151	21 769	21 507	21 214	21 369	21 139	21 546	22 027	21 342	63 756	64 427	63 722	64 915	(X)
1986 ---	21 099	21 350	21 044	21 434	20 539	21 204	20 522	20 288	20 516	20 276	20 425	20 782	63 493	63 177	61 326	61 483	(X)
1987 ---	20 425	20 456	20 244	20 599	20 413	20 929	21 660	21 101	21 983	21 944	21 907	22 327	61 125	61 941	64 744	66 178	(X)
1988 ---	22 249	22 696	23 078	23 136	23 407	23 656	23 789	24 114	24 244	23 619	23 754	24 235	68 023	70 199	72 147	71 608	(X)
1989 ---	24 017	24 055	24 061	24 424	24 623	24 691	23 750	24 579	24 252	23 815	24 138	25 088	72 133	73 738	72 581	73 041	(X)
1990 ---	24 722	24 985	25 558	24 529	24 590	24 890	24 215	24 870	24 814	25 387	24 558	24 783	75 265	74 009	73 899	74 728	(X)
1991 ---	24 215	24 067	24 336	24 119	24 429	24 801	24 164	24 232	24 659	24 915	24 951	24 038	72 618	73 349	73 055	73 904	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	.5	2.7	-.4	-5.1	-.8	-1.7	-.8	-1.6	-.7	-5.2	1.5	-2.2	.8	-5.5	-3.5	-5.9	(X)
1983 ---	-.1	-2.3	2.9	1.0	-1.5	5.0	.8	-.9	2.4	5	2.5	3.7	-1.7	2.9	3.8	4.8	(X)
1984 ---	.3	.1	1.9	1.0	4.7	-1.0	.7	5	.3	1.6	2.0	-.8	4.3	5.2	2.0	3.1	(X)
1985 ---	-2.8	1.3	2.7	-2.6	2.9	-1.2	-1.4	7	-1.1	1.9	2.2	-3.1	-1.0	1.1	-1.1	1.9	(X)
1986 ---	-1.1	1.2	-1.4	1.9	-4.2	3.2	-3.2	-1.1	1.1	-1.2	.7	1.7	-2.2	-.5	-2.9	.3	(X)
1987 ---	-1.7	.2	-1.0	1.8	-.9	2.5	3.5	-2.6	4.2	-.2	-.2	1.9	-.6	1.3	4.5	2.2	(X)
1988 ---	-.3	2.0	1.7	.3	1.2	1.1	.6	1.4	-.5	-2.6	.6	2.0	2.8	3.2	2.8	-.7	(X)
1989 ---	-.9	.2	-.1	1.5	.8	.3	-3.8	3.5	-1.3	-1.8	1.4	3.9	.7	2.2	-1.6	.6	(X)
1990 ---	-1.5	1.1	2.3	-.4	.2	1.2	-2.7	2.7	-.2	2.3	-3.3	.9	3.0	-1.7	-.1	1.1	(X)
1991 ---	-2.3	-.6	1.1	-.9	1.3	1.5	-2.6	.3	1.8	1.0	.1	-3.7	-2.8	1.0	-.4	1.2	(X)
DEFENSE CAPITAL GOODS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 695	4 470	4 915	4 504	4 919	5 525	4 775	4 851	5 655	5 357	5 467	6 067	13 080	14 948	15 281	16 891	60 200
1983 ---	4 978	5 754	6 254	5 870	5 980	6 486	5 901	5 945	6 560	6 429	6 551	7 120	16 986	18 336	18 406	20 100	73 828
1984 ---	5 750	6 590	6 859	6 639	6 630	7 004	6 287	6 664	7 078	7 330	7 334	8 140	19 199	20 273	20 029	22 804	82 305
1985 ---	6 473	7 548	7 988	7 318	7 462	8 288	7 105	7 690	8 317	8 715	8 787	9 652	22 009	23 068	23 112	27 154	95 343
1986 ---	7 023	8 435	8 335	8 311	8 463	9 374	8 495	8 204	9 210	9 219	9 761	11 354	23 793	26 148	25 909	30 334	106 184
1987 ---	7 341	8 607	10 133	8 599	8 919	9 923	8 362	8 438	9 773	9 062	9 316	10 919	26 081	27 441	26 573	29 299	109 394
1988 ---	7 232	8 368	9 743	7 986	8 083	9 305	7 623	8 562	9 294	8 233	8 993	11 857	25 343	25 374	25 479	29 083	105 279
1989 ---	7 065	8 182	9 039	7 798	8 317	9 577	7 191	8 268	9 086	8 034	8 969	11 509	24 286	25 692	24 545	28 512	103 035
1990 ---	6 835	7 667	9 464	8 047	8 860	9 515	7 895	8 658	8 854	8 641	9 423	11 016	23 966	26 422	25 407	29 080	104 875
1991 ---	6 537	7 850	8 817	8 230	8 098	8 977	7 148	8 765	9 362	8 499	9 136	10 448	23 204	25 305	25 275	28 083	101 867
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 208	4 463	4 634	4 540	4 913	5 274	5 178	5 104	5 437	5 258	5 386	5 589	13 305	14 727	15 719	16 233	(X)
1983 ---	5 703	5 723	5 915	5 960	6 013	6 194	6 401	6 279	6 338	6 289	6 397	6 401	17 341	18 167	19 018	19 087	(X)
1984 ---	6 659	6 587	6 507	6 812	6 722	6 674	6 849	7 045	6 869	7 167	7 058	7 142	19 753	20 208	20 763	21 367	(X)
1985 ---	7 578	7 571	7 597	7 580	7 625	7 865	7 791	8 105	8 055	8 554	8 404	8 240	22 746	23 070	23 951	25 198	(X)
1986 ---	8 348	8 528	7 910	8 712	8 708	8 849	9 398	8 623	8 896	9 074	9 262	9 404	24 786	26 269	26 917	27 740	(X)
1987 ---	8 870	8 854	9 590	9 117	9 204	9 333	9 346	8 824	9 403	9 002	8 817	8 864	27 314	27 654	27 573	26 683	(X)
1988 ---	8 834	8 694	9 224	8 531	8 292	8 734	8 602	8 919	8 873	8 262	8 481	9 477	26 752	25 557	26 394	26 220	(X)
1989 ---	8 737	8 635	8 558	8 338	8 509	8 934	8 140	8 525	8 649	8 115	8 443	8 948	25 930	25 781	25 314	25 506	(X)
1990 ---	8 525	8 165	8 994	8 652	9 050	8 879	9 009	8 876	8 405	8 762	8 841	8 564	25 684	26 581	26 290	26 167	(X)
1991 ---	8 171	8 405	8 388	8 821	8 271	8 406	8 182	8 965	8 901	8 661	8 573	8 270	24 964	25 498	26 048	25 504	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-2.4	6.1	3.8	-2.0	8.2	7.3	-1.8	-1.4	6.5	-3.3	2.4	3.8	6.5	10.7	6.7	3.3	(X)
1983 ---	2.0	.4	3.4	.8	9	3.0	3.3	-1.9	.9	-.8	1.7	.1	6.8	4.8	4.7	.4	(X)
1984 ---	4.0	-1.1	-1.2	4.7	-1.3	-.7	2.6	2.9	-2.5	4.3	-1.5	1.2	3.5	2.3	2.7	2.9	(X)
1985 ---	6.1	-.1	.3	-.2	.6	3.1	-.9	4.0	-.6	6.2	-1.8	-2.0	6.5	1.4	3.8	5.2	(X)
1986 ---	1.3	2.2	-7.2	10.1	-.1	1.6	6.2	-8.2	3.2	2.0	2.1	1.5	-1.6	6.0	2.5	3.1	(X)
1987 ---	-5.7	-.2	8.3	-4.9	1.0	1.4	1	-5.6	6.6	-4.3	-2.1	5	-1.5	1.2	-.3	-3.2	(X)
1988 ---	-.3	-1.6	6.1	-7.5	-2.8	5.3	-1.5	3.7	-.5	-6.9	2.7	11.7	-.3	-4.5	3.3	-.7	(X)
1989 ---	-7.8	-1.2	-.9	-2.6	2.1	5.0	-8.9	4.7	1.5	-6.2	4.0	6.0	-1.1	-.6	-1.8	.8	(X)
1990 ---	-4.7	-4.2	10.2	-3.8	4.6	-.1	1.5	-1.5	-5.3	4.2	-.9	-3.1	-.7	3.5	-1.1	-.5	(X)
1991 ---	-4.6	2.9	-.2	5.2	-6.2	1.6	-2.7	9.6	-.7	-2.7	-1.0	-3.5	-4.6	2.1	2.2	-2.1	(X)



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
DURABLES, EXCLUDING CAPITAL GOODS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	48 415	54 288	57 686	56 575	56 987	58 866	49 191	52 201	55 376	53 340	49 417	45 901	160 389	172 428	156 768	148 658	638 243
1983 ---	49 390	54 686	57 909	57 362	59 382	63 394	53 381	58 790	65 042	66 222	63 519	60 568	161 985	180 138	177 213	190 309	709 645
1984 ---	61 804	68 629	71 858	69 264	69 048	73 240	61 288	67 514	69 466	71 910	67 881	62 138	202 292	211 552	198 288	201 939	814 071
1985 ---	63 682	69 096	72 609	70 262	71 463	73 504	61 630	67 869	72 768	72 984	69 185	61 529	205 387	215 229	202 265	203 708	826 589
1986 ---	66 220	71 121	72 305	73 644	71 497	75 480	62 288	67 587	74 083	74 783	66 273	65 460	209 646	220 621	203 918	208 516	842 701
1987 ---	65 517	76 043	78 317	75 286	74 984	78 656	65 419	71 254	79 108	80 839	76 647	70 828	219 877	228 926	215 779	228 212	892 794
1988 ---	70 539	79 327	84 145	82 874	83 718	88 333	70 892	80 042	87 620	88 818	84 010	78 371	234 011	254 725	238 554	252 199	979 489
1989 ---	80 860	87 194	88 705	87 995	87 073	88 367	69 917	84 470	88 154	88 125	84 116	75 434	256 759	263 435	242 541	247 675	1 010 410
1990 ---	71 115	84 501	89 945	84 958	89 483	92 378	73 941	85 826	87 604	90 614	79 882	69 827	245 561	266 819	247 371	240 303	1 000 054
1991 ---	70 630	76 758	76 867	80 362	82 635	84 925	71 207	81 567	86 733	89 041	82 822	71 259	224 255	248 122	239 507	243 122	955 006
Seasonally Adjusted—Millions of Dollars																	
1982 ---	52 602	53 787	54 156	54 767	55 129	54 628	54 850	53 499	52 850	50 658	50 340	50 862	160 555	164 524	161 199	151 860	(X)
1983 ---	53 722	54 200	54 484	55 461	57 310	58 640	59 477	60 226	62 212	63 157	64 612	67 479	182 406	171 411	181 915	185 248	(X)
1984 ---	66 903	67 662	67 815	66 866	66 648	67 743	68 534	69 322	66 489	68 828	68 967	69 090	202 180	201 255	204 345	206 685	(X)
1985 ---	68 934	67 757	68 351	67 887	69 096	66 182	69 145	69 742	69 588	69 415	69 988	68 125	205 042	205 185	208 453	207 536	(X)
1986 ---	71 761	69 617	68 243	71 188	69 298	70 210	70 408	69 385	70 511	70 749	68 791	72 423	209 621	210 896	210 282	211 983	(X)
1987 ---	71 281	74 487	73 924	72 970	72 658	73 311	74 100	72 718	75 200	76 297	77 138	77 915	219 892	218 939	222 018	231 350	(X)
1988 ---	76 883	78 043	79 697	80 298	80 987	82 443	80 813	81 381	83 117	83 245	84 138	88 019	234 623	243 728	245 291	255 400	(X)
1989 ---	88 311	86 028	84 276	85 709	84 085	82 433	79 583	85 405	83 585	82 291	84 254	83 693	258 615	252 207	248 553	250 238	(X)
1990 ---	78 003	83 885	85 715	82 925	86 111	88 236	84 786	86 238	83 058	84 266	79 818	77 196	247 813	255 272	254 063	241 281	(X)
1991 ---	77 522	76 455	73 480	76 704	79 646	79 277	81 792	81 487	82 130	82 601	82 598	79 177	227 487	237 627	245 408	244 376	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-2	2.3	.7	1.1	.7	-8	4	-2.5	-1.2	-4.1	-8	1.0	-1.4	2.5	-2.0	-5.8	(X)
1983 ---	5.6	.8	.5	1.8	3.3	2.3	1.4	1.3	3.3	1.5	2.3	4.4	6.8	5.5	6.1	7.3	(X)
1984 ---	-9	1.1	-1	-1.1	-3	1.6	1.2	1.1	-4.1	3.2	5	-2	3.8	-5	1.5	1.1	(X)
1985 ---	-2	-1.7	.8	-7	1.8	-1.3	1.4	9	-3	-2	-8	-2.7	-8	1	1.6	-4	(X)
1986 ---	5.3	-3.0	-2.0	4.3	-2.7	1.3	3	-1.5	1.7	3	-2.8	5.3	1.0	5	-2	8	(X)
1987 ---	-1.6	4.5	-8	-1.3	-4	1.8	1.1	-1.9	3.4	1.5	1.1	1.0	3.6	-3	1.4	4.2	(X)
1988 ---	-1.3	1.5	2.1	.8	.9	1.8	-2.0	2.2	2.2	1.1	4.8	1.4	3.9	6	4.1	7	(X)
1989 ---	3	-2.6	-2.0	1.7	-1.9	-1.9	-3.5	7.3	-2.1	-1.5	2.4	-7	1.3	-2.5	-1.4	4	(X)
1990 ---	-6.8	7.6	2.2	-3.3	3.8	1	-1.7	1.7	-3.7	1.5	-5.3	-3.3	-1.0	3.1	-5	-5.0	(X)
1991 ---	.4	-1.4	-3.9	7.1	1.2	-5	3.2	-4	.8	.6	-	-4.1	-5.7	4.5	3.3	-4	(X)
PRODUCERS' DURABLE EQUIPMENT—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	43 319	50 445	54 748	51 090	52 141	54 425	44 464	46 448	50 975	48 114	45 788	45 785	148 512	157 656	141 887	139 687	587 742
1983 ---	43 323	48 669	52 505	49 783	50 907	56 587	45 477	49 657	57 183	56 665	56 235	57 480	144 497	157 277	152 317	170 380	624 471
1984 ---	53 371	59 678	64 071	59 587	60 868	65 780	52 917	58 077	63 243	63 516	62 728	62 130	177 120	186 235	174 237	188 374	725 966
1985 ---	56 228	62 896	68 411	62 499	64 251	67 948	54 402	59 702	67 471	65 856	64 397	62 980	187 535	194 698	181 575	193 233	757 041
1986 ---	58 206	64 295	66 992	64 677	63 577	69 973	54 588	59 499	67 494	65 970	62 277	65 389	189 493	198 227	181 581	193 636	762 937
1987 ---	57 140	67 454	71 508	65 608	65 256	71 134	55 927	60 370	70 952	68 887	66 686	67 166	196 102	201 998	187 249	202 739	788 088
1988 ---	60 441	69 706	75 921	70 806	72 805	78 720	60 529	68 204	78 793	76 398	73 471	75 412	206 088	222 331	207 526	225 281	861 206
1989 ---	67 879	75 936	80 094	75 849	75 807	79 775	59 588	72 922	80 351	75 576	73 980	74 298	223 909	231 431	212 861	223 854	892 055
1990 ---	61 095	76 042	82 686	74 451	78 340	85 432	63 916	74 609	80 690	80 312	71 945	71 112	219 823	238 223	219 215	223 369	900 630
1991 ---	62 801	70 445	73 560	72 746	75 658	80 935	63 295	72 446	81 275	81 029	77 001	71 847	206 806	229 339	217 016	229 877	883 038
Seasonally Adjusted—Millions of Dollars																	
1982 ---	48 267	50 080	50 655	50 344	51 060	50 170	50 613	49 137	48 489	46 505	46 015	46 305	149 002	151 574	148 239	138 825	(X)
1983 ---	48 293	48 337	48 486	49 186	49 726	51 953	52 067	52 634	54 357	54 845	56 402	58 821	145 116	150 865	159 058	170 068	(X)
1984 ---	59 117	58 982	59 146	58 799	59 540	60 295	60 896	61 715	59 853	61 748	62 904	62 794	177 245	178 634	182 464	187 446	(X)
1985 ---	62 519	62 010	63 030	61 843	63 008	62 261	62 836	63 499	63 615	64 036	64 561	63 284	187 559	187 112	189 950	191 881	(X)
1986 ---	64 830	63 237	61 788	63 987	62 425	64 137	63 546	63 213	63 255	63 930	62 356	66 014	189 855	190 549	190 014	192 300	(X)
1987 ---	63 960	66 291	66 016	65 082	64 084	65 141	65 507	63 774	66 215	66 486	66 792	67 448	196 267	194 307	195 496	200 726	(X)
1988 ---	68 079	68 896	70 144	70 381	71 396	71 954	71 315	71 808	73 385	73 344	73 586	76 413	207 119	213 731	216 508	223 343	(X)
1989 ---	76 378	75 225	74 188	75 327	74 115	72 772	70 006	76 367	74 922	72 312	74 296	74 980	225 791	222 214	221 295	221 588	(X)
1990 ---	69 304	75 865	76 795	74 045	76 265	78 165	75 567	77 717	75 289	76 674	72 312	70 813	221 964	228 475	228 573	219 799	(X)
1991 ---	71 372	70 636	68 325	72 535	73 738	73 965	75 046	75 159	75 923	77 403	77 319	72 301	210 333	220 238	226 128	227 023	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.2	3.8	1.1	-6	1.4	-1.7	9	-2.9	-1.3	-4.1	-1.1	.6	-1	1.7	-2.2	-6.4	(X)
1983 ---	4.3	1	.3	1.4	1.1	4.5	2	1.1	3.3	9	2.8	4.3	4.5	4.0	5.4	6.9	(X)
1984 ---	5	-2	.3	-6	1.3	1.3	1.0	1.3	-3.0	3.2	1.9	-2	4.2	8	2.1	2.7	(X)
1985 ---	-4	-8	1.6	-1.9	1.9	-1.2	9	1.1	2	7	8	-2.0	1	-2	1.5	1.0	(X)
1986 ---	2.4	-2.5	-2.3	3.6	-2.4	2.7	-9	-5	1	1.1	-2.5	5.9	-1.1	4	-3	1.2	(X)
1987 ---	-3.1	3.6	-4	-1.4	-1.5	1.6	6	-2.6	3.8	4	5	1.0	2.1	-1.0	6	2.7	(X)
1988 ---	9	1.2	1.8	3	1.4	8	-9	7	2.2	-1	3	3.8	3.2	3.2	1.3	3.2	(X)
1989 ---	-	-1.5	-1.4	1.5	-1.6	-1.8	-3.8	9.1	-1.9	-3.5	2.7	9	11	-1.6	-4	1	(X)
1990 ---	-7.6	9.5	1.2	-3.6	3.0	2.5	-3.3	2.8	-3.1	1.8	-5.7	-2.1	2	2.9	-	-3.8	(X)
1991 ---	8	-1.0	-3.3	6.2	1.7	3	1.5	2	1.0	1.9	-1	-6.5	-4.3	4.7	2.7	4	(X)



# 34 CURRENT INDUSTRIAL REPORTS

Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
HOUSEHOLD DURABLE GOODS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 980	4 769	5 117	4 696	4 551	4 848	4 249	4 833	5 428	5 149	4 561	3 893	13 866	14 095	14 510	13 603	56 074
1983 ---	4 051	4 717	5 004	4 827	4 814	5 306	4 430	5 266	5 869	5 699	5 348	4 787	13 772	14 947	15 565	15 834	60 118
1984 ---	4 581	5 360	5 758	5 202	5 459	5 993	4 921	5 769	6 175	6 227	5 497	4 891	15 699	16 654	16 865	16 615	65 833
1985 ---	4 807	5 445	5 909	5 415	5 509	5 987	4 838	5 743	6 420	6 124	5 791	5 092	16 161	16 911	17 001	17 007	67 080
1986 ---	4 881	5 678	6 106	5 560	5 518	6 520	5 200	6 242	7 003	6 519	5 869	5 223	16 665	17 598	18 445	17 611	70 319
1987 ---	4 939	5 736	6 178	5 601	5 616	6 326	4 992	5 981	6 622	6 337	5 932	5 184	16 853	17 543	17 595	17 453	69 444
1988 ---	5 164	5 931	6 409	5 883	5 971	6 362	5 280	6 352	7 194	6 777	6 566	5 660	17 504	18 216	18 826	19 003	73 549
1989 ---	5 502	6 448	6 924	6 366	6 305	6 822	5 397	6 763	7 228	7 246	6 735	6 047	18 874	19 493	19 388	20 028	77 783
1990 ---	5 541	6 632	7 121	6 171	6 369	6 891	5 529	6 666	7 335	7 256	6 728	6 117	19 294	19 431	19 530	20 101	78 356
1991 ---	5 521	6 339	6 729	6 381	6 358	6 795	5 766	7 000	7 820	7 765	7 397	6 165	18 589	19 534	20 586	21 327	80 036
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 623	4 790	4 838	4 770	4 705	4 615	4 835	4 627	4 758	4 609	4 532	4 379	14 251	14 090	14 220	13 520	(X)
1983 ---	4 689	4 742	4 721	4 913	4 958	5 014	5 017	5 040	5 144	5 142	5 332	5 388	14 152	14 885	15 201	15 862	(X)
1984 ---	5 309	5 411	5 426	5 297	5 622	5 614	5 581	5 527	5 402	5 653	5 481	5 445	16 146	16 533	16 510	16 579	(X)
1985 ---	5 587	5 497	5 550	5 561	5 685	5 582	5 514	5 519	5 603	5 570	5 764	5 634	16 634	16 828	16 636	16 968	(X)
1986 ---	5 648	5 741	5 727	5 738	5 710	6 072	5 954	6 013	6 101	5 938	5 812	5 783	17 116	17 520	18 068	17 533	(X)
1987 ---	5 752	5 777	5 733	5 740	5 789	5 914	5 763	5 770	5 810	5 790	5 868	5 718	17 262	17 443	17 343	17 376	(X)
1988 ---	6 038	5 938	5 954	6 010	6 156	5 961	6 130	6 158	6 330	6 155	6 422	6 238	17 930	18 127	18 618	18 815	(X)
1989 ---	6 434	6 448	6 446	6 524	6 482	6 421	6 290	6 579	6 389	6 559	6 565	6 609	19 328	19 427	19 258	19 733	(X)
1990 ---	6 465	6 624	6 653	6 307	6 537	6 509	6 473	6 507	6 493	6 521	6 491	6 685	19 742	19 353	19 473	19 697	(X)
1991 ---	6 481	6 315	6 293	6 554	6 544	6 424	6 792	6 837	6 907	6 943	7 107	6 725	19 089	19 522	20 536	20 775	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-3.3	3.6	1.0	-1.4	-1.4	-1.9	4.8	-4.3	2.8	-3.1	-1.7	-3.4	-1.4	-1.1	.9	-4.9	(X)
1983 ---	7.1	1.1	-.4	4.1	.9	1.1	1	.5	2.1	-	3.7	1.1	4.7	5.2	2.1	4.3	(X)
1984 ---	-1.5	1.9	.3	-2.4	6.1	-1	-6	-1.0	-2.3	4.6	-3.0	-7	1.8	2.4	-1	4	(X)
1985 ---	2.6	-1.6	1.0	2	2.2	-1.8	-1.2	.1	1.5	-6	3.5	-2.3	.3	1.2	-1.1	2.0	(X)
1986 ---	.2	1.6	-.2	2	-5	6.3	-1.9	1.0	1.5	-2.7	-2.1	-5	9	2.4	3.1	-3.0	(X)
1987 ---	-.5	4	-.6	1	9	2.2	-2.6	.1	.7	-3	1.3	-2.6	-1.5	1.0	-.6	2	(X)
1988 ---	5.6	-1.7	-.3	9	2.4	-3.2	2.8	.5	2.8	-2.8	4.3	-2.9	3.2	1.1	2.7	1.1	(X)
1989 ---	3.1	.2	-	1.2	-.6	-.9	-2.0	4.6	-2.9	2.7	-.1	7	2.7	.5	-.9	2.5	(X)
1990 ---	-2.2	2.5	4	-5.2	3.6	-.4	-.6	.5	-2	.4	-.5	3.0	-	-2.0	6	1.2	(X)
1991 ---	-3.1	-2.6	-.3	4.1	-2	-1.8	5.7	7	1.0	.5	2.4	-5.4	-3.1	2.3	5.2	1.2	(X)
INFORMATION TECHNOLOGY INDUSTRIES—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	7 417	8 885	10 144	8 512	8 626	9 767	7 821	8 507	9 749	8 620	9 016	10 440	26 446	26 905	26 077	28 076	107 504
1983 ---	7 444	8 515	10 279	8 683	8 695	10 718	8 430	8 917	10 554	9 677	10 245	12 399	26 238	28 096	27 901	32 321	114 556
1984 ---	8 504	9 857	11 808	10 020	10 861	12 495	9 798	11 069	12 553	11 308	12 476	14 375	30 169	33 376	33 420	38 159	135 124
1985 ---	9 765	11 325	13 462	10 720	11 484	13 663	10 116	11 103	13 494	11 494	12 133	14 539	34 552	35 867	34 713	38 166	143 298
1986 ---	9 404	11 050	12 917	10 493	10 750	13 753	9 576	10 778	13 481	10 948	11 667	14 357	33 371	34 996	33 835	36 972	139 174
1987 ---	9 341	11 069	12 978	10 435	10 965	13 892	10 341	11 209	14 331	11 495	12 181	15 078	33 388	35 292	35 881	38 754	143 315
1988 ---	9 915	11 922	14 654	11 624	12 317	15 742	11 282	12 415	15 554	12 187	12 682	16 407	36 491	39 683	39 251	41 276	156 701
1989 ---	10 506	11 990	14 652	11 587	12 426	15 786	10 749	12 317	15 480	11 988	12 862	16 038	36 748	39 799	38 546	40 888	155 981
1990 ---	10 835	12 529	14 778	11 683	12 504	15 572	10 912	12 262	15 395	13 161	12 768	15 960	38 142	39 759	38 569	41 889	158 359
1991 ---	10 754	12 041	14 423	11 788	12 472	15 574	11 039	12 268	15 198	12 942	13 597	15 923	37 218	39 834	38 505	42 462	158 019
Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 805	9 194	9 236	8 987	8 948	8 897	8 966	8 906	8 980	8 722	8 858	8 844	27 235	26 832	26 852	26 424	(X)
1983 ---	8 893	8 848	9 295	9 311	9 051	9 660	9 755	9 384	9 618	9 883	10 068	10 425	27 036	28 022	28 757	30 376	(X)
1984 ---	10 284	10 332	10 629	10 674	11 375	11 121	11 408	11 729	11 244	11 659	12 282	11 848	31 245	33 370	34 381	35 789	(X)
1985 ---	11 944	11 920	12 022	11 760	12 085	11 989	11 815	11 788	11 879	11 944	12 019	11 915	35 886	35 834	35 482	35 878	(X)
1986 ---	11 551	11 704	11 522	11 635	11 357	11 891	11 205	11 463	11 706	11 414	11 636	11 737	34 777	34 883	34 374	34 787	(X)
1987 ---	11 581	11 789	11 573	11 658	11 626	11 898	12 222	11 935	12 286	12 109	12 258	12 280	34 943	35 182	36 443	36 647	(X)
1988 ---	12 293	12 776	13 001	13 054	13 092	13 327	13 398	13 265	13 229	12 875	12 838	13 400	38 070	39 473	39 892	39 113	(X)
1989 ---	12 928	12 477	13 001	13 009	13 151	13 274	12 789	13 152	13 186	12 636	13 053	13 123	38 406	39 434	39 127	38 812	(X)
1990 ---	13 234	13 533	13 122	13 073	13 162	13 113	13 012	13 088	13 133	13 912	12 957	13 066	39 889	39 348	39 233	39 935	(X)
1991 ---	13 077	13 046	12 784	13 178	13 088	13 129	13 203	13 091	13 061	13 690	13 810	13 078	38 907	39 395	39 355	40 578	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.9	4.4	.5	-2.7	-.4	-.6	.8	-.7	.8	-2.9	1.6	-.2	6.6	-1.5	1	-1.6	(X)
1983 ---	6	-.5	5.1	-.2	-2.8	6.7	1.0	-3.8	2.5	2.8	1.9	3.5	2.3	3.6	2.6	5.6	(X)
1984 ---	-1.4	.5	2.9	2.3	4.6	-2.2	2.6	2.8	-4.1	3.7	5.3	-3.5	2.9	6.8	3.0	4.1	(X)
1985 ---	.8	-.2	.9	-2.2	2.8	-.8	-1.5	-.2	.8	.5	.6	-.9	.3	-.1	-1.0	1.1	(X)
1986 ---	-3.1	1.3	-1.6	1.0	-2.4	4.7	-5.8	2.3	2.1	-2.5	1.9	9	-3.1	.3	-1.5	1.2	(X)
1987 ---	-1.3	1.8	-1.8	.7	-.3	2.3	2.7	-2.3	2.9	-1.4	1.2	2	4	7	3.6	6	(X)
1988 ---	.1	3.9	1.8	4	.3	1.8	.5	-1.0	-.3	-2.7	-.3	4.4	3.9	3.7	1.1	-2.0	(X)
1989 ---	-3.5	2.3	4.2	-.1	1.1	.9	-3.7	2.8	.3	-4.2	3.3	5	-1.8	2.7	-.8	-.8	(X)
1990 ---	.8	2.3	-3.0	-.4	7	-.4	-.8	.6	.3	5.9	-6.9	8	2.8	-1.4	-.3	1.8	(X)
1991 ---	.1	-.2	-2.0	3.1	-.7	.3	.6	-.8	-.2	4.8	9	-5.3	-2.6	1.3	-.1	3.1	(X)



Table 1. **Manufacturers' Shipments and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
HEALTH CARE EQUIPMENT AND PRODUCTS—SHIPMENTS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 072	3 451	3 799	3 517	3 516	3 854	3 261	3 575	4 161	3 474	3 461	3 681	10 322	10 887	10 997	10 616	42 822
1983 ---	3 503	3 749	3 887	3 495	3 551	4 041	3 486	3 860	4 447	3 915	3 836	4 112	11 139	11 087	11 793	11 863	45 882
1984 ---	3 765	3 895	4 286	3 837	3 948	4 520	3 809	4 230	4 817	4 134	4 091	4 448	11 946	12 305	12 856	12 673	49 780
1985 ---	4 094	4 380	4 656	3 996	4 184	4 944	3 969	4 457	4 921	4 391	4 202	4 604	13 130	13 124	13 347	13 197	52 798
1986 ---	4 470	4 586	4 655	4 321	4 390	4 993	4 155	4 722	5 304	4 776	4 624	4 982	13 711	13 704	14 181	14 382	55 978
1987 ---	4 761	5 060	5 279	4 847	4 874	5 657	4 871	5 389	6 241	5 406	5 246	5 619	15 100	15 378	16 501	16 271	63 250
1988 ---	5 470	5 725	6 033	5 578	5 383	6 179	5 214	6 131	6 524	5 922	5 712	6 093	17 228	17 140	17 869	17 727	69 964
1989 ---	6 044	6 198	6 316	5 794	5 843	6 607	5 825	6 359	6 988	6 203	6 212	6 741	18 558	18 244	19 172	19 156	75 130
1990 ---	6 393	6 583	7 029	6 530	6 586	7 216	6 483	7 133	7 653	7 067	7 053	7 002	20 005	20 332	21 269	21 122	82 728
1991 ---	7 070	7 368	7 138	7 122	7 250	7 631	6 966	7 399	8 251	7 600	7 423	7 634	21 576	22 003	22 616	22 657	88 852
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 221	3 430	3 559	3 727	3 681	3 611	3 600	3 614	3 683	3 487	3 593	3 616	10 210	11 019	10 897	10 696	(X)
1983 ---	3 662	3 729	3 654	3 708	3 719	3 771	3 855	3 877	3 932	3 955	3 994	4 027	11 045	11 198	11 664	11 976	(X)
1984 ---	3 916	3 873	4 048	4 069	4 133	4 204	4 213	4 232	4 279	4 189	4 267	4 350	11 837	12 406	12 724	12 806	(X)
1985 ---	4 236	4 351	4 411	4 230	4 391	4 595	4 387	4 445	4 382	4 452	4 384	4 508	12 998	13 216	13 214	13 344	(X)
1986 ---	4 595	4 550	4 427	4 571	4 634	4 644	4 577	4 697	4 739	4 831	4 821	4 895	13 572	13 849	14 013	14 547	(X)
1987 ---	4 868	5 022	5 031	5 107	5 149	5 281	5 338	5 351	5 613	5 455	5 452	5 550	14 921	15 537	16 302	16 457	(X)
1988 ---	5 577	5 683	5 767	5 854	5 687	5 802	5 672	5 898	5 898	5 959	5 912	6 046	17 027	17 343	17 652	17 917	(X)
1989 ---	6 164	6 166	6 042	6 050	6 163	6 245	6 300	6 305	6 340	6 231	6 399	6 718	18 372	18 458	18 945	19 348	(X)
1990 ---	6 525	6 563	6 728	6 798	6 927	6 853	6 973	7 074	6 971	7 090	7 238	6 988	19 816	20 578	21 018	21 316	(X)
1991 ---	7 222	7 364	6 835	7 406	7 617	7 262	7 479	7 334	7 530	7 620	7 602	7 626	21 421	22 285	22 343	22 848	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-1.6	6.5	3.8	4.7	-1.2	-1.9	-3	.4	1.9	-5.3	3.0	6	4.5	7.9	-1.1	-1.8	(X)
1983 ---	1.3	1.8	-2.0	1.5	.3	1.4	2.2	.6	1.4	.6	1.0	8	3.3	1.4	4.2	2.7	(X)
1984 ---	-2.8	-1.1	4.5	.5	1.6	1.7	2	.5	1.1	-2.1	1.9	1.9	-1.2	4.8	2.6	.6	(X)
1985 ---	-2.6	2.7	1.4	-4.1	3.8	4.6	-4.5	1.3	-1.4	1.6	-1.5	2.8	1.5	1.7	-	1.0	(X)
1986 ---	1.9	-1.0	-2.7	3.3	1.4	2	-1.4	2.6	.9	1.9	-2	1.5	1.7	2.0	1.2	3.8	(X)
1987 ---	-6	3.2	.2	1.5	.8	2.6	1.1	.2	4.9	-2.8	-1	1.8	2.6	4.1	4.9	1.0	(X)
1988 ---	.5	1.9	1.5	1.5	-2.9	2.0	-2.2	7.2	-3.0	1.0	-8	2.3	3.5	1.9	1.8	1.5	(X)
1989 ---	2.0	-	-2.0	.1	1.9	1.3	.9	.1	.6	-1.7	2.7	5.0	2.5	.5	2.6	2.1	(X)
1990 ---	-2.9	.6	2.5	1.0	1.9	-1.1	1.8	1.4	-1.5	1.7	2.1	-3.5	2.4	3.8	2.1	1.4	(X)
1991 ---	3.3	2.0	-7.2	8.4	2.8	-4.7	3.0	-1.9	2.7	1.2	-2	.3	.5	4.0	3	2.3	(X)

Note: Data in this table may differ from annual data at the aggregate level shown in appendix D, table 1 because of independent rounding

- Represents no change. (X) Not applicable (NA) Not available



## 36 CURRENT INDUSTRIAL REPORTS

Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
ALL MANUFACTURING INDUSTRIES, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	155 856	166 985	174 977	164 822	182 103	170 234	149 819	155 526	168 751	163 083	154 242	159 286	497 819	497 159	474 096	476 611	1 945 684
1983 ---	157 087	162 957	174 326	168 537	189 644	185 454	162 459	174 473	199 980	190 809	184 581	185 603	494 370	523 635	526 812	560 793	2 105 410
1984 ---	181 035	196 170	210 396	192 269	193 365	199 680	179 572	188 684	197 235	193 423	191 809	190 911	587 601	585 314	565 491	578 143	2 314 549
1985 ---	185 088	186 427	206 289	191 849	194 564	207 282	178 950	192 306	206 089	199 797	191 594	198 254	587 803	593 684	577 345	589 645	2 348 477
1986 ---	189 842	200 482	208 045	192 553	198 821	201 974	178 139	188 117	208 240	198 878	193 807	199 068	596 349	584 248	570 499	591 351	2 342 444
1987 ---	182 814	205 635	217 272	206 787	205 989	221 118	197 667	203 183	223 877	219 378	213 977	214 988	605 721	633 892	624 727	648 323	2 512 883
1988 ---	204 045	222 697	232 959	220 997	222 048	239 925	209 088	225 028	242 257	235 587	229 842	240 882	659 701	682 968	675 371	709 271	2 724 311
1989 ---	224 381	239 015	249 072	238 928	232 712	248 956	211 588	228 575	246 885	238 502	237 992	237 289	711 448	720 598	687 028	711 783	2 830 855
1990 ---	214 935	234 783	259 562	236 528	242 184	251 899	220 483	242 083	258 949	257 887	235 582	233 420	708 280	730 581	721 475	728 689	2 885 005
1991 ---	214 838	230 300	234 231	229 158	235 416	241 984	224 195	237 388	249 048	248 333	238 726	224 688	679 388	705 558	710 809	709 757	2 805 293
Seasonally Adjusted—Millions of Dollars																	
1982 ---	164 388	194 704	166 081	184 314	181 956	162 025	182 490	158 893	181 829	159 307	157 019	181 897	495 153	488 295	482 991	478 213	(X)
1983 ---	188 358	190 891	185 184	188 290	189 357	178 779	175 774	177 789	182 444	187 125	188 083	188 916	482 233	514 386	535 987	584 104	(X)
1984 ---	191 778	193 047	198 782	191 579	193 547	190 377	195 039	193 099	199 293	189 994	194 885	192 995	583 587	575 503	577 401	577 784	(X)
1985 ---	197 104	192 954	193 887	191 548	195 236	187 790	194 940	187 128	198 759	195 674	193 581	199 150	593 945	584 572	598 825	588 805	(X)
1986 ---	202 729	197 129	193 875	192 883	191 214	192 247	192 847	190 900	197 800	194 229	194 878	200 406	593 833	576 444	581 147	589 513	(X)
1987 ---	198 371	202 890	205 121	207 395	207 491	210 879	215 028	207 822	211 783	214 549	214 857	217 189	604 182	625 765	634 833	648 375	(X)
1988 ---	219 150	220 241	220 479	221 582	223 081	228 155	227 215	229 758	228 897	229 788	229 749	244 948	659 870	672 808	695 870	704 485	(X)
1989 ---	241 901	239 521	239 582	239 471	232 888	236 523	230 353	232 902	232 500	229 949	237 758	241 399	714 984	708 890	695 855	709 105	(X)
1990 ---	232 587	235 271	244 374	237 482	241 184	239 948	240 843	245 271	243 685	249 945	235 418	238 933	712 232	717 572	729 799	722 284	(X)
1991 ---	233 014	231 894	222 922	229 280	234 048	228 219	244 580	239 750	233 703	238 542	238 880	229 924	687 830	692 545	718 033	707 148	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.8	.2	.8	-1.1	-1.4	-.3	-2.4	2.0	-1.6	-1.4	3.1	2.2	-1.4	-1.1	-1.0	(X)	
1983 ---	2.8	-3.4	2.8	1.9	.7	4.4	-.8	1.1	2.8	2.6	.5	.5	2.9	4.5	4.2	5.2	(X)
1984 ---	1.5	.7	3.0	-3.8	1.0	-1.8	2.4	-1.0	-2.0	-.4	2.8	-1.0	3.5	-1.4	.3	.1	(X)
1985 ---	2.2	-2.1	.5	-1.2	1.9	1.3	-1.4	1.1	-2	-4	-1.2	2.9	1.1	.1	.7	-	(X)
1986 ---	1.8	-2.8	-1.8	-.5	-.9	.5	-.2	-.9	3.5	-1.7	.3	2.8	.9	-2.8	.8	1.4	(X)
1987 ---	-2.0	3.2	1.2	1.1	-.1	1.8	2.0	-3.4	1.9	1.3	-.1	1.2	2.5	3.8	1.4	1.9	(X)
1988 ---	.9	.5	.1	.5	.7	2.3	-.4	1.1	-.5	.5	-.1	8.8	2.1	2.0	1.9	2.7	(X)
1989 ---	-1.2	-2.2	-.1	1.2	-2.7	1.8	-2.6	1.1	-.1	-1.1	3.4	1.5	1.5	-.9	-1.9	1.8	(X)
1990 ---	-3.7	1.2	3.9	-2.8	1.6	-.9	.8	1.8	-.6	2.6	-5.8	.8	.4	.7	1.7	-1.0	(X)
1991 ---	-1.7	-.5	-3.8	2.9	2.1	-2.1	8.7	-2.0	-2.5	2.1	-.1	-3.7	-4.8	.7	3.7	-1.5	(X)
ALL MANUFACTURING INDUSTRIES WITH UNFILLED ORDERS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	82 843	87 891	93 832	85 718	81 085	84 974	73 829	78 205	84 775	83 009	77 945	85 832	264 366	251 477	234 809	246 786	987 438
1983 ---	84 370	84 522	92 213	89 458	86 577	98 819	93 338	89 351	98 765	102 368	99 439	101 692	261 105	271 652	271 454	302 498	1 106 709
1984 ---	98 939	107 502	119 957	101 799	102 944	105 051	94 860	99 285	104 548	102 052	103 406	105 268	323 398	309 794	298 693	310 728	1 242 811
1985 ---	102 390	106 943	112 283	101 428	102 279	113 191	95 285	103 068	112 237	107 921	101 714	113 295	321 616	316 896	310 590	322 930	1 272 032
1986 ---	103 855	111 616	117 290	103 389	101 410	110 484	95 973	100 345	116 236	109 343	108 791	115 050	332 761	315 283	312 584	333 184	1 293 782
1987 ---	100 002	112 868	122 325	113 961	112 529	122 910	110 063	111 352	124 237	121 384	119 859	124 939	335 195	349 399	345 652	366 182	1 396 428
1988 ---	115 529	126 743	131 885	121 516	121 456	133 347	114 818	124 908	137 058	131 222	129 342	142 129	374 157	376 319	376 784	402 693	1 529 953
1989 ---	125 972	133 226	141 433	131 231	124 745	138 396	116 661	123 197	138 173	129 206	134 295	138 651	400 531	394 372	378 031	402 152	1 575 086
1990 ---	120 013	129 211	145 070	128 858	131 191	136 584	119 811	127 424	139 872	136 377	123 502	131 944	394 294	396 633	397 107	391 823	1 569 857
1991 ---	115 721	125 534	128 445	119 994	123 036	127 749	121 814	126 463	132 943	129 648	127 558	124 056	369 700	370 779	381 220	381 262	1 502 961
Seasonally Adjusted—Millions of Dollars																	
1982 ---	85 716	84 791	87 595	85 021	81 996	81 398	82 131	79 402	82 179	81 229	79 822	85 083	258 102	248 415	243 712	246 134	(X)
1983 ---	87 798	81 803	85 810	88 205	87 580	93 142	91 978	92 574	96 120	100 907	100 862	100 280	255 411	268 907	280 672	302 049	(X)
1984 ---	103 168	104 179	108 643	101 629	104 765	101 178	104 836	103 141	101 247	100 714	105 358	102 354	315 990	307 572	309 224	308 426	(X)
1985 ---	107 970	103 617	103 307	102 025	104 637	108 949	105 945	107 452	107 621	106 461	102 781	109 457	314 894	315 611	321 018	318 699	(X)
1986 ---	110 183	108 590	108 402	104 808	104 485	106 020	106 748	104 599	110 422	107 658	109 049	111 053	327 175	315 314	321 769	327 760	(X)
1987 ---	107 167	110 257	113 472	115 569	115 665	118 239	121 454	115 790	117 237	119 858	119 479	121 494	330 896	349 472	354 481	360 831	(X)
1988 ---	123 905	124 272	122 683	123 299	124 454	127 531	127 274	129 563	128 728	129 367	128 326	139 300	370 860	375 284	385 565	396 993	(X)
1989 ---	135 723	131 498	132 151	133 068	127 230	131 981	128 824	127 521	129 196	126 930	133 299	136 021	399 372	392 279	385 541	396 249	(X)
1990 ---	130 190	128 760	135 998	130 847	132 739	129 798	132 568	131 316	130 575	133 896	122 904	128 996	394 948	393 364	394 459	385 796	(X)
1991 ---	126 103	125 643	119 808	121 922	124 248	120 920	134 548	130 058	123 675	127 242	127 344	121 987	371 754	367 090	388 281	376 573	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	6.0	-1.1	3.3	-2.9	-3.6	-.7	.9	-3.3	3.5	-1.2	-1.7	6.6	3.3	-3.8	-1.9	1.0	(X)
1983 ---	3.2	-6.6	4.9	2.8	-.7	6.4	-1.2	6	3.8	5.0	-.1	-.6	3.8	5.3	4.4	7.6	(X)
1984 ---	2.9	1.0	4.3	-6.5	3.1	-3.4	3.6	-1.6	-1.9	-.5	4.6	-2.9	4.6	-.7	.5	-.3	(X)
1985 ---	5.5	-4.0	-.3	-1.2	2.6	4.1	-2.8	1.4	-.2	-1.1	-3.5	6.5	2.1	.2	1.7	-.7	(X)
1986 ---	.7	-1.4	-.2	-3.3	-.3	1.5	.7	-2.0	5.6	-2.5	1.3	1.8	2.7	-3.6	2.0	1.9	(X)
1987 ---	-3.5	2.9	2.9	1.8	1	2.2	2.7	-4.7	1.2	2.2	-.3	1.7	1.0	5.6	1.4	1.8	(X)
1988 ---	2.0	.3	-1.3	.5	.9	2.5	-.2	1.8	-.6	.5							



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan	Feb	March	April	May	June	July	Aug	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
DURABLE GOODS INDUSTRIES, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	76 362	82 133	88 946	81 985	77 783	81 961	69 717	70 546	79 283	77 919	71 480	78 649	247 441	241 729	219 546	228 048	936 764
1983 ---	78 998	80 213	87 636	84 765	83 562	94 045	78 882	84 170	94 869	98 965	94 709	96 863	246 847	262 372	257 921	290 537	1 057 677
1984 ---	95 155	104 543	114 793	99 629	100 401	102 983	90 267	95 251	99 809	99 267	100 200	99 666	314 491	303 013	285 327	299 133	1 201 964
1985 ---	98 494	103 505	109 406	99 388	100 410	110 384	90 215	98 689	108 613	105 094	97 956	106 114	311 405	310 182	297 517	309 164	1 228 268
1986 ---	101 114	108 180	113 660	102 511	99 304	107 466	91 122	94 285	110 277	105 169	102 228	108 445	322 954	309 281	295 684	315 842	1 243 761
1987 ---	95 066	109 112	118 182	110 487	109 555	118 155	101 451	103 420	117 425	116 241	113 849	116 769	322 360	338 197	322 296	346 859	1 329 712
1988 ---	108 772	120 833	126 725	117 853	118 206	129 003	106 246	116 561	129 312	126 553	122 619	134 655	356 330	365 062	352 119	383 827	1 457 338
1989 ---	120 712	128 203	135 669	127 679	120 877	131 921	106 519	116 056	130 504	123 013	127 542	130 176	384 584	380 477	353 079	380 731	1 498 871
1990 ---	109 105	122 232	138 653	123 123	127 632	132 299	111 154	119 216	131 522	131 165	113 767	120 016	369 990	383 054	361 892	364 948	1 479 884
1991 ---	105 601	115 858	117 549	113 866	117 446	121 822	112 602	117 602	124 711	124 100	120 173	113 420	339 008	353 134	354 915	357 693	1 404 750
Seasonally Adjusted—Millions of Dollars																	
1982 ---	79 671	79 618	82 308	80 368	77 525	77 358	78 443	74 802	77 039	76 036	73 617	79 261	241 597	235 251	230 284	228 914	(X)
1983 ---	82 949	77 751	80 764	83 381	83 158	89 030	88 208	88 588	92 645	97 285	97 244	97 781	241 464	255 569	269 441	292 310	(X)
1984 ---	99 948	101 233	105 848	97 918	100 493	97 447	101 418	100 494	97 095	97 703	102 331	99 272	307 029	295 858	299 007	299 306	(X)
1985 ---	104 623	99 946	99 704	98 292	100 810	104 643	102 121	104 501	104 656	103 295	99 240	104 686	304 273	303 745	311 278	307 221	(X)
1986 ---	108 017	104 784	104 160	102 017	100 298	101 563	103 453	99 971	105 227	102 993	102 787	107 165	316 961	303 878	308 651	312 945	(X)
1987 ---	102 694	106 000	108 749	110 196	110 396	111 988	114 277	109 192	111 263	113 930	113 759	115 748	317 443	332 580	334 732	343 437	(X)
1988 ---	117 683	118 133	117 127	117 601	118 598	121 655	120 394	122 800	121 905	123 592	121 949	134 838	352 943	357 854	365 099	380 379	(X)
1989 ---	131 294	126 035	126 062	127 360	120 586	123 942	120 067	122 132	122 511	119 618	127 104	130 326	383 391	371 888	364 710	377 048	(X)
1990 ---	119 547	121 499	129 310	123 054	126 247	123 785	125 891	124 790	123 315	127 269	113 686	119 189	370 356	373 086	373 996	360 144	(X)
1991 ---	116 327	116 021	109 017	113 934	115 986	113 478	127 153	122 630	116 528	120 227	120 344	113 920	341 365	343 398	366 311	354 491	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.8	-1	3.4	-2.4	-3.5	-2	1.4	-4.6	3.0	-1.3	-3.2	7.7	2.6	-2.6	-2.1	-6	(X)
1983 ---	4.7	-6.3	3.9	3.2	-3	7.1	-9	4	4.6	5.0	-	6	5.5	5.8	5.4	8.5	(X)
1984 ---	2.2	1.3	4.6	-7.5	2.6	-3.0	4.1	-9	-3.4	6	4.7	-3.0	5.0	-3.6	1.1	1	(X)
1985 ---	5.4	-4.5	-2	-1.4	2.6	3.8	-2.4	2.3	1	-1.3	-3.9	5.5	1.7	-2	2.5	-1.3	(X)
1986 ---	3.2	-3.0	-6	-2.1	-1.7	1.3	1.9	-3.4	5.3	-2.1	-2	4.3	3.2	-4.1	1.6	1.4	(X)
1987 ---	-4.2	3.2	2.6	1.3	2	1.4	2.0	-4.4	1.9	2.4	-2	1.7	1.4	4.8	6	2.6	(X)
1988 ---	1.7	4	-9	4	8	2.6	-1.0	2.0	-7	1.4	-1.3	10.6	2.8	1.4	2.0	4.2	(X)
1989 ---	-2.6	-4.0	-	1.0	-5.3	2.8	-3.1	1.7	3	-2.4	6.3	2.5	8	-3.0	-1.9	3.4	(X)
1990 ---	-8.3	1.6	6.4	-4.8	2.6	-2.0	1.7	-9	-1.2	3.2	-10.7	4.8	-1.8	7	2	-3.7	(X)
1991 ---	-2.4	-3	-6.0	4.5	1.8	-2.2	12.1	-3.6	-5.0	3.2	1	-5.3	-5.2	6	6.7	-3.2	(X)
DURABLE GOODS WITH UNFULFILLED ORDERS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	66 122	70 160	75 516	68 232	63 756	67 311	57 709	58 374	66 213	64 782	60 038	68 307	211 798	199 299	182 296	193 127	786 520
1983 ---	66 774	66 183	72 637	69 367	67 556	76 951	64 969	69 268	78 125	81 381	78 175	81 729	205 594	213 874	212 362	241 285	873 115
1984 ---	78 862	86 141	95 349	80 607	81 768	83 332	74 505	78 023	82 204	80 071	82 286	84 070	260 352	245 707	234 732	246 427	987 218
1985 ---	81 665	85 245	89 557	80 080	80 385	90 657	74 642	81 144	88 855	85 249	79 656	90 942	256 467	251 122	244 641	255 847	1 008 077
1986 ---	82 292	88 818	93 886	80 759	79 121	86 625	74 573	76 654	90 694	84 408	84 872	91 127	264 996	246 505	241 921	260 407	1 013 829
1987 ---	76 659	87 129	96 242	88 903	88 281	96 572	84 832	85 360	97 097	94 013	93 992	99 247	260 030	273 756	267 289	287 252	1 088 327
1988 ---	90 224	99 897	104 429	94 797	95 087	105 473	88 782	96 853	108 004	102 974	101 248	114 125	294 550	295 357	293 639	318 347	1 201 893
1989 ---	98 770	104 413	112 137	102 880	96 628	108 546	99 987	93 795	108 030	99 819	105 370	111 555	315 320	308 054	291 812	316 744	1 231 930
1990 ---	92 504	99 731	114 492	99 687	102 493	106 811	92 914	96 647	109 143	106 563	94 415	104 449	306 727	308 991	298 704	305 427	1 219 849
1991 ---	88 970	97 029	99 351	92 331	94 635	99 601	94 847	96 735	102 573	99 929	98 739	96 619	285 350	286 567	294 155	295 287	1 161 359
Seasonally Adjusted—Millions of Dollars																	
1982 ---	68 323	67 512	69 929	67 614	64 552	64 146	64 869	61 770	64 425	63 644	61 714	67 061	205 764	196 312	191 064	192 419	(X)
1983 ---	69 463	63 662	66 915	69 155	68 386	73 645	72 400	72 672	76 398	80 614	80 288	79 840	200 040	211 186	221 470	240 742	(X)
1984 ---	82 190	83 037	87 910	80 412	83 356	79 734	83 232	82 007	79 931	79 496	83 945	80 774	253 137	243 502	245 170	244 215	(X)
1985 ---	86 347	82 122	81 331	80 548	82 376	86 763	84 108	85 696	85 352	84 564	80 491	86 717	249 800	249 687	255 156	251 772	(X)
1986 ---	87 639	86 008	85 734	82 010	81 702	82 584	84 074	81 085	86 108	83 573	84 940	86 706	259 381	246 296	251 267	255 219	(X)
1987 ---	82 721	84 727	88 260	90 311	90 811	92 306	94 848	90 134	91 442	93 331	93 368	95 088	255 708	273 428	276 424	281 787	(X)
1988 ---	97 466	97 757	96 204	96 350	97 398	100 201	99 721	102 031	101 126	101 961	100 157	110 404	291 427	293 949	302 878	312 522	(X)
1989 ---	107 249	102 927	103 864	104 484	98 432	102 653	100 523	98 874	100 579	98 423	104 427	107 981	314 040	305 569	299 976	310 831	(X)
1990 ---	101 154	99 486	106 452	101 407	103 399	100 529	103 921	101 460	101 449	104 936	93 905	100 472	307 092	305 335	306 830	299 313	(X)
1991 ---	97 846	97 561	91 699	93 992	95 328	93 221	105 783	101 331	94 910	98 328	98 610	93 510	287 106	282 541	302 024	290 448	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	6.9	-1.2	3.6	-3.3	-4.5	-6	1.1	-4.8	4.3	-1.2	-3.0	8.7	3.6	-4.6	-2.7	7	(X)
1983 ---	3.6	-8.4	5.1	3.3	-1.1	7.7	-1.7	4	5.1	5.5	-4	-6	4.0	5.6	4.9	8.7	(X)
1984 ---	2.9	1.0	5.9	-8.5	3.7	-4.3	4.4	-1.5	-2.5	-5	5.6	-3.8	5.1	-3.8	7	-4	(X)
1985 ---	6.9	-4.9	-1.0	-1.0	2.3	5.3	-3.1	-1.9	-4	-9	-4.8	7.7	2.3	-	2.2	-1.3	(X)
1986 ---	1.1	-1.9	-3	-4.3	-4	1.1	1.8	-3.6	6.2	-2.9	1.6	2.1	3.0	-5.0	2.0	1.6	(X)
1987 ---	-4.6	2.4	4.2	2.3	6	1.6	2.8	-5.0	1.5	2.1	-	1.8	2	6.9	1.1	1.9	(X)
1988 ---	2.5	3	-1.6	2	1.1	2.9	-5	2.3	-9	8	-1.8	10.2	3.4	9	3.0	3.2	(X)
1989 ---	-2.9	-4.0	1.9	6	-5.8	4.3	-2.1	-1.6	1.7	-2.1	6.1	3.4	5	-2.7	-1.8	3.6	(X)
1990 ---	-6.3	-1.6	7.0	-4.7	2.0	-2.8	3.4										



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
STONE, CLAY, AND GLASS PRODUCTS, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 025	3 348	3 609	3 601	3 869	3 874	3 607	3 691	3 955	3 778	3 506	3 091	9 982	11 344	11 253	10 375	42 954
1983 ---	3 430	3 641	3 854	3 994	4 096	4 465	3 950	4 331	4 496	4 450	4 129	3 567	10 925	12 555	12 777	12 146	48 403
1984 ---	3 902	4 492	4 587	4 524	4 592	4 626	4 453	4 848	4 673	4 744	4 467	4 114	12 981	13 742	13 974	13 325	54 022
1985 ---	3 949	4 558	4 627	4 858	4 812	5 125	4 651	4 905	5 045	5 130	4 520	4 445	13 134	14 795	14 601	14 095	56 625
1986 ---	4 593	4 866	5 146	5 050	5 082	5 482	4 755	5 086	5 361	5 119	4 855	4 171	14 605	15 614	15 202	14 145	59 566
1987 ---	4 448	5 053	5 327	5 179	5 174	5 196	4 981	5 150	5 453	5 759	5 131	4 361	14 828	15 549	15 584	15 251	61 212
1988 ---	4 728	5 095	5 223	5 380	5 512	5 791	5 011	5 648	5 687	5 520	5 525	4 520	15 046	16 683	16 346	15 565	63 640
1989 ---	4 764	5 175	5 002	5 422	5 516	5 675	4 791	5 413	5 651	5 696	5 371	4 591	14 941	16 613	15 855	15 658	63 067
1990 ---	4 683	5 236	5 263	5 617	5 502	5 887	5 181	5 825	5 722	5 551	4 844	4 182	15 182	17 006	16 728	14 577	63 493
1991 ---	4 031	4 570	4 619	4 964	5 044	5 428	5 141	5 341	5 334	5 239	4 503	3 976	13 220	15 436	15 816	13 718	58 190
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 427	3 490	3 541	3 530	3 729	3 576	3 635	3 535	3 746	3 545	3 591	3 602	10 458	10 835	10 916	10 738	(X)
1983 ---	3 906	3 771	3 785	3 904	3 941	4 124	3 986	4 146	4 239	4 207	4 238	4 161	11 462	11 969	12 371	12 606	(X)
1984 ---	4 434	4 614	4 493	4 403	4 432	4 257	4 528	4 645	4 400	4 510	4 589	4 772	13 541	13 092	13 573	13 871	(X)
1985 ---	4 499	4 630	4 517	4 720	4 659	4 737	4 770	4 685	4 735	4 931	4 621	5 117	13 646	14 116	14 190	14 669	(X)
1986 ---	5 217	4 911	5 029	4 906	4 936	5 076	4 932	4 844	5 030	4 912	4 926	4 842	15 157	14 918	14 806	14 680	(X)
1987 ---	5 050	5 131	5 232	5 046	5 020	4 790	5 199	4 881	5 102	5 486	5 158	5 085	15 413	14 856	15 182	15 729	(X)
1988 ---	5 347	5 203	5 159	5 262	5 343	5 339	5 251	5 308	5 308	5 247	5 541	5 292	15 709	15 944	15 867	16 080	(X)
1989 ---	5 451	5 315	4 963	5 319	5 341	5 199	5 030	5 035	5 271	5 374	5 373	5 364	15 729	15 859	15 336	16 111	(X)
1990 ---	5 397	5 441	5 241	5 516	5 320	5 391	5 415	5 413	5 340	5 223	4 858	4 902	16 079	16 227	16 168	14 983	(X)
1991 ---	4 676	4 739	4 600	4 887	4 869	4 966	5 348	4 933	4 988	4 953	4 545	4 685	14 015	14 722	15 269	14 183	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-6.8	1.8	1.5	-3	5.6	-4.1	1.6	-2.8	6.0	-5.4	1.3	-3	-5.4	3.6	.7	-1.6	(X)
1983 ---	8.4	-3.5	-.4	3.1	9	4.6	-3.3	4.0	2.2	-.8	.7	-1.8	6.7	4.4	3.4	1.9	(X)
1984 ---	6.6	4.1	-2.6	-2.0	7	-3.9	6.4	2.6	-5.3	2.5	1.8	4.0	7.4	-3.3	3.7	2.2	(X)
1985 ---	-5.7	2.9	-2.4	4.5	-1.3	1.7	7	-1.8	1.1	4.1	-6.3	10.7	-1.6	3.4	.5	3.4	(X)
1986 ---	2.0	-5.9	2.4	-2.4	6	2.8	-2.8	3.8	-2.3	3	-1.7	3.3	-1.6	-.8	-.9	-.9	(X)
1987 ---	4.3	1.6	2.0	-3.6	-.5	-4.6	8.5	-6.1	4.5	7.5	-6.0	-1.4	5.0	-3.6	2.2	3.6	(X)
1988 ---	5.2	-2.7	-.8	2.0	1.5	-.1	-1.6	1.1	-.1	-1.1	5.6	-4.5	-.1	1.5	-.5	1.3	(X)
1989 ---	3.0	-2.5	-6.6	7.2	4	-2.7	-3.3	4	-.1	4.7	2.0	-.2	-2.2	9	-.3	5.1	(X)
1990 ---	6	.8	-3.7	5.2	-3.6	1.3	4	-.1	-1.3	-2.2	-7.0	9	-.2	9	-.4	-7.3	(X)
1991 ---	-4.6	1.3	-2.9	6.2	-.4	2.0	7.7	-7.8	1.1	-7	-8.2	3.1	-6.5	5.0	3.7	-7.1	(X)
PRIMARY METAL INDUSTRIES, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 789	9 857	9 388	8 821	8 513	8 621	7 163	7 495	7 697	6 992	6 974	7 135	29 034	25 955	22 355	21 101	98 445
1983 ---	8 405	10 760	9 010	8 574	8 918	9 407	8 546	9 568	9 763	10 176	10 556	10 201	28 175	26 899	27 877	30 933	113 884
1984 ---	11 312	11 771	11 522	10 912	9 289	9 129	8 994	9 631	9 000	9 269	9 027	8 496	34 605	29 330	27 625	26 794	118 354
1985 ---	10 160	9 892	10 101	9 972	9 309	9 699	8 365	9 427	8 862	9 209	8 819	8 461	30 153	28 980	26 554	26 489	112 276
1986 ---	10 318	10 744	9 936	8 549	7 879	8 808	7 414	9 252	8 860	8 709	8 472	9 277	30 998	25 236	25 626	26 458	108 218
1987 ---	8 690	9 823	10 792	10 232	9 804	10 666	9 514	10 224	11 206	11 238	11 277	12 523	29 305	30 702	30 944	35 038	125 989
1988 ---	11 967	12 884	13 230	11 878	12 521	12 872	11 547	12 310	12 886	13 090	12 741	13 756	38 081	37 271	36 743	39 587	151 682
1989 ---	14 182	14 545	13 519	13 618	12 832	12 359	10 741	11 314	11 885	11 476	11 575	11 729	42 246	38 809	33 940	34 780	149 775
1990 ---	12 561	12 513	13 633	12 572	12 674	12 357	11 523	11 777	12 215	12 653	11 455	10 636	38 707	37 603	35 515	34 744	146 569
1991 ---	10 354	10 320	10 564	10 886	10 604	10 879	10 844	10 995	11 041	10 760	10 617	9 767	31 238	32 369	32 880	31 144	127 631
Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 980	8 852	8 423	8 750	8 702	8 685	8 100	7 739	7 878	7 097	7 302	7 522	26 255	26 137	23 717	21 921	(X)
1983 ---	7 781	9 876	8 116	8 440	9 115	9 451	9 527	9 767	10 043	10 418	11 024	10 870	25 773	27 006	29 337	32 312	(X)
1984 ---	10 424	10 717	10 371	10 699	9 691	9 188	10 052	9 783	9 275	9 465	9 377	9 034	31 512	29 578	29 110	27 876	(X)
1985 ---	9 445	9 008	9 132	9 734	9 628	9 736	9 349	9 579	9 126	9 395	9 106	8 857	27 585	29 098	28 054	27 358	(X)
1986 ---	9 730	9 873	8 975	8 421	8 217	8 831	8 301	9 428	9 078	8 822	8 707	9 578	28 578	25 469	26 807	27 107	(X)
1987 ---	8 189	9 061	9 868	10 035	10 084	10 758	10 540	10 485	11 419	11 428	11 554	12 768	27 118	30 877	32 444	35 750	(X)
1988 ---	11 463	12 061	12 096	11 796	12 690	12 885	12 686	12 740	12 948	13 234	12 953	14 041	35 620	37 371	38 374	40 228	(X)
1989 ---	13 853	13 829	12 343	13 552	12 873	12 370	11 796	11 832	11 822	11 454	11 704	12 050	40 025	38 795	35 450	35 208	(X)
1990 ---	12 397	12 071	12 546	12 467	12 603	12 347	12 448	12 315	12 120	12 647	11 547	10 988	37 014	37 417	36 883	35 182	(X)
1991 ---	10 179	10 030	9 642	10 786	10 522	10 849	11 598	11 489	10 946	10 699	10 712	10 143	29 851	32 157	34 033	31 554	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-10.4	-1.4	-4.8	3.9	-.5	-.2	-6.7	-4.5	1.8	-9.9	2.9	3.0	-14.8	-.4	-9.3	-7.6	(X)
1983 ---	3.4	26.9	-17.8	4.0	8.0	3.7	8	2.5	2.8	3.7	5.8	-1.4	17.6	4.8	8.6	10.1	(X)
1984 ---	-4.1	2.8	-3.2	3.2	-9.4	-5.2	9.4	-2.7	-5.2	2.0	-.9	-3.7	-2.5	-6.1	-1.6	-4.2	(X)
1985 ---	4.5	-4.6	1.4	6.6	-1.1	1.1	-4.0	2.5	-4.7	2.9	-3.1	-2.7	-1.0	5.5	-3.6	-2.5	(X)
1986 ---	9.9	1.5	-9.1	-6.2	-2.4	7.5	-6.0	13.6	-3.7	-2.8	-1.3	10.0	4.5	-10.9	5.3	1.1	(X)
1987 ---	-14.5	10.6	8.9	1.7	5	6.7	-2.0	-.5	8.9	1.1	10.5	-.1	13.9	5.1	10.2	(X)	
1988 ---	-10.2	5.2	3	-2.5	7.6	1.5	-1.5	4	1.6	2.2	-2.1	8.4	-.4	4.9	2.7	4.8	(X)
1989 ---	-1.3	-.2	-10.7	9.8	-5.0	-3.9	-4.6	3	-.1	-3.1	2.2	3.0	-.5	-3.1	-8.6	-.7	(X)
1990 ---	2.9	-2.6	3.9	-.6	1.1	-2.0	8	-.1	-1.6	4.3	-8.7	-.4	5.1	1.1	-1.4	-4.6	(X)
1991 ---	-7.4	-1.5	-3.9	11.9	-2.4	3.1	6.9	-.9	-4.7	-2.3	1	-5.3	-15.2	7.7	5.8	-7.3	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
BLAST FURNACES, STEEL MILLS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 599	4 711	4 351	3 964	3 718	3 634	3 145	3 110	3 101	2 831	2 848	3 001	13 661	11 316	9 356	8 680	43 013
1983 ---	3 426	5 032	3 784	3 576	3 719	3 822	3 768	4 090	4 421	4 632	4 502	4 351	12 242	11 117	12 279	13 485	49 123
1984 ---	5 169	5 278	5 181	4 480	3 715	3 562	3 782	4 067	3 571	4 051	3 964	3 899	15 628	11 757	11 420	11 914	50 719
1985 ---	4 644	4 617	4 441	4 288	3 766	3 940	3 697	4 289	3 638	4 097	3 968	3 694	13 702	11 994	11 624	11 759	49 079
1986 ---	4 350	4 834	4 514	3 615	3 244	3 662	3 121	4 179	3 783	3 473	3 500	4 133	13 698	10 521	11 083	11 106	46 408
1987 ---	3 641	4 402	4 671	4 758	3 974	4 481	4 262	4 567	4 504	4 567	5 288	5 648	12 714	13 213	13 333	15 503	54 763
1988 ---	5 178	5 790	5 655	5 177	5 451	5 229	4 964	5 010	5 300	4 955	5 090	5 925	16 623	15 857	15 274	15 970	63 724
1989 ---	6 524	6 354	5 197	5 401	5 080	4 631	4 441	4 570	4 799	5 043	4 901	5 328	18 075	15 112	13 810	15 272	62 269
1990 ---	5 745	5 479	5 483	5 421	5 561	5 271	5 072	5 137	5 110	5 261	4 733	4 347	16 707	16 253	15 319	14 341	62 620
1991 ---	4 506	4 169	3 916	4 632	4 520	4 510	5 095	4 986	4 653	4 669	4 178	3 879	12 591	13 662	14 734	12 726	53 713
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 073	4 079	3 836	3 945	3 947	3 785	3 553	3 264	3 302	2 840	2 954	3 111	11 988	11 677	10 119	8 905	(X)
1983 ---	3 041	4 488	3 340	3 553	3 945	3 986	4 179	4 209	4 736	4 705	4 683	4 542	10 869	11 484	13 124	13 930	(X)
1984 ---	4 592	4 568	4 617	4 419	4 120	3 782	4 212	4 141	3 855	4 083	4 110	4 042	13 777	12 321	12 208	12 235	(X)
1985 ---	4 211	3 985	4 030	4 167	4 099	4 126	4 084	4 359	3 929	4 176	4 090	3 735	12 226	12 392	12 372	12 001	(X)
1986 ---	3 986	4 205	4 164	3 511	3 571	3 828	3 469	4 269	4 070	3 554	3 573	4 095	12 355	10 910	11 808	11 222	(X)
1987 ---	3 279	3 833	4 382	4 570	4 287	4 721	4 657	4 701	4 796	4 718	5 411	5 525	11 494	13 578	14 154	15 654	(X)
1988 ---	4 727	5 182	5 391	5 037	5 664	5 437	5 354	5 226	5 510	5 093	5 180	5 851	15 300	16 138	16 090	16 124	(X)
1989 ---	6 072	5 898	4 984	5 311	5 171	4 806	4 750	4 799	4 881	5 119	5 001	5 360	16 954	15 288	14 430	15 480	(X)
1990 ---	5 340	5 271	5 246	5 337	5 527	5 433	5 316	5 410	5 190	5 340	4 828	4 360	15 857	16 297	15 916	14 528	(X)
1991 ---	4 062	4 093	3 742	4 575	4 461	4 633	5 289	5 237	4 709	4 712	4 276	3 935	11 897	13 669	15 235	12 923	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-17.6	.1	-6.0	2.8	.1	-4.1	-6.1	-8.1	1.2	-14.0	4.0	5.3	-19.9	-2.6	-13.3	-12.0	(X)
1983 ---	-2.3	47.6	-25.6	6.4	11.0	1.0	4.8	.7	12.5	-7	-5	-3.0	22.1	5.7	14.3	6.1	(X)
1984 ---	1.1	-5	1.1	-4.3	-6.8	-8.2	11.4	-1.7	-6.9	5.9	7	-1.7	-1.1	-10.6	-9	2	(X)
1985 ---	4.2	-5.4	1.1	3.4	-1.6	.7	-1.0	6.7	-9.9	6.3	-2.1	-8.7	-1	1.4	-2	-3.0	(X)
1986 ---	6.7	5.5	-1.0	-15.7	1.7	7.2	-9.4	23.1	-4.7	-12.7	5	14.6	2.9	-11.7	8.2	-5.0	(X)
1987 ---	-19.9	16.9	14.3	4.3	-6.2	10.1	-1.4	9	2.0	-1.6	14.7	2.1	2.4	18.1	4.2	10.6	(X)
1988 ---	-14.4	9.6	4.0	-6.6	12.4	-4.0	-1.5	-2.4	5.4	-7.6	1.7	13.0	-2.3	5.5	-3	2	(X)
1989 ---	3.8	-2.9	-15.5	6.6	-2.6	-7.1	-1.2	1.0	1.7	4.9	-2.3	7.2	5.1	-9.8	-5.6	7.3	(X)
1990 ---	-4	-1.3	-5	1.7	3.6	-1.7	-2.2	1.8	-4.1	2.9	-9.6	-9.7	2.4	2.8	-2.3	-8.7	(X)
1991 ---	-6.8	.8	-8.6	22.3	-2.5	3.9	14.2	-1.0	-10.1	.1	-9.3	-8.0	-18.1	14.9	11.5	-15.2	(X)
IRON AND STEEL FOUNDRIES—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	838	808	795	758	804	851	708	642	569	635	591	491	2 441	2 413	1 919	1 717	8 490
1983 ---	624	653	672	748	813	819	708	736	853	891	875	803	1 949	2 380	2 297	2 569	9 195
1984 ---	991	1 043	1 054	1 019	989	1 061	929	1 014	932	970	897	706	3 088	3 069	2 875	2 573	11 605
1985 ---	939	872	1 005	981	1 019	912	818	872	900	1 005	938	661	2 816	2 912	2 590	2 604	10 922
1986 ---	968	947	901	1 013	837	936	742	817	796	1 029	789	741	2 816	2 786	2 355	2 559	10 516
1987 ---	883	871	865	898	935	904	833	926	1 020	1 011	1 014	764	2 019	2 737	2 779	2 789	10 924
1988 ---	926	1 006	1 068	1 038	1 075	1 103	921	1 029	1 145	1 157	1 034	918	3 000	3 216	3 095	3 109	12 420
1989 ---	1 207	1 130	1 060	1 220	1 114	1 059	816	1 018	1 038	1 076	952	770	3 397	3 393	2 872	2 798	12 460
1990 ---	961	1 006	1 272	1 156	1 117	1 155	944	1 237	1 033	1 151	953	607	3 239	3 428	3 214	2 711	12 592
1991 ---	822	885	869	920	854	996	853	963	884	1 004	822	782	2 576	2 770	2 700	2 608	10 654
Seasonally Adjusted—Millions of Dollars																	
1982 ---	808	780	736	747	751	819	766	689	573	597	599	587	2 324	2 317	2 028	1 783	(X)
1983 ---	608	633	630	723	769	768	771	775	861	843	884	967	1 871	2 260	2 407	2 694	(X)
1984 ---	989	1 017	992	980	943	985	1 009	1 057	946	906	903	880	2 998	2 908	3 012	2 689	(X)
1985 ---	925	846	950	938	985	840	904	905	913	936	941	828	2 721	2 763	2 722	2 705	(X)
1986 ---	946	921	860	962	819	872	828	837	805	955	792	919	2 727	2 653	2 470	2 666	(X)
1987 ---	857	848	829	847	920	842	932	929	1 021	925	1 022	961	2 534	2 609	2 882	2 908	(X)
1988 ---	904	986	1 035	974	1 051	1 033	1 030	1 015	1 130	1 057	1 050	1 147	2 925	3 058	3 175	3 254	(X)
1989 ---	1 218	1 112	1 026	1 148	1 092	990	920	992	1 011	975	980	974	3 356	3 230	2 923	2 929	(X)
1990 ---	974	995	1 236	1 080	1 096	1 085	1 056	1 200	1 001	1 048	994	796	3 205	3 261	3 257	2 838	(X)
1991 ---	835	875	832	847	842	932	950	924	856	906	864	969	2 542	2 621	2 730	2 739	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.4	-3.5	-5.6	1.5	.5	9.1	-6.5	-10.1	-16.8	4.2	3	-2.0	-15.4	-3	-12.5	-12.1	(X)
1983 ---	3.6	4.1	-5	14.8	6.4	-1	4	5	11.1	-2.1	4.9	9.4	4.9	20.8	6.5	11.9	(X)
1984 ---	2.3	2.8	-2.5	-1.2	-3.8	4.5	2.4	4.8	-10.5	-4.2	-3	-2.5	11.3	-3.0	3.6	-10.7	(X)
1985 ---	5.1	-8.5	12.3	-1.3	5.0	-14.7	7.6	.1	9	2.5	5	-12.0	1.2	1.5	-1.5	-6	(X)
1986 ---	14.3	-2.6	-6.6	11.9	-14.9	6.5	-5.0	1.1	-3.8	18.6	-17.1	16.0	8	-2.7	-6.9	7.9	(X)
1987 ---	-6.7	-1.1	-2.2	2.2	8.6	-8.5	10.7	-3	9.9	-9.4	10.5	-6.0	-5.0	3.0	10.5	9	(X)
1988 ---	-5.9	9.1	5.0	-5.9	7.9	-1.7	-3	-1.5	11.3	-6.5	-7	9.2	6	4.5	3.8	2.5	(X)
1989 ---	6.2	-8.7	-7.7	11.9	-4.9	-9.3	-7.1	7.8	1.9	-3.6	5	-6	3.1	-3.8	-9.5	2	(X)
1990 ---	-	2.2	24.2	-12.6	1.5	-1.0	-2.7	13.6	-16.6	4.7	-5.2	-19.9	9.4	1.7	-1	-12.9	(X)
1991 ---	4.9	4.8	-4.9	1.8	-6	10.7	1.9	-2.7	-7.4	5.8	-4.6	12.2	-10.4	3.1	4.2	3	(X)

See footnotes at end of table



## 40 CURRENT INDUSTRIAL REPORTS

Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
NONFERROUS AND OTHER PRIMARY METALS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 352	4 338	4 242	4 099	3 991	4 136	3 310	3 743	4 027	3 526	3 535	3 643	12 932	12 226	11 080	10 704	46 942
1983 ---	4 355	5 075	4 554	4 250	4 386	4 766	4 070	4 742	4 489	4 653	5 179	5 047	13 984	13 402	13 301	14 879	55 566
1984 ---	5 152	5 450	5 287	5 413	4 585	4 506	4 283	4 550	4 497	4 248	4 166	3 893	15 889	14 504	13 330	12 307	56 030
1985 ---	4 577	4 403	4 655	4 703	4 524	4 847	3 850	4 266	4 324	4 107	3 913	4 106	13 635	14 074	12 440	12 126	52 275
1986 ---	5 000	4 963	4 521	3 921	3 798	4 210	3 551	4 256	4 281	4 207	4 183	4 403	14 484	11 929	12 088	12 793	51 294
1987 ---	4 166	4 550	5 256	4 576	4 895	5 281	4 419	4 731	5 682	5 660	4 975	6 111	13 972	14 752	14 832	16 746	60 302
1988 ---	5 863	6 088	6 507	5 663	5 995	6 540	5 662	6 271	6 441	6 978	6 617	6 913	18 458	18 198	18 374	20 508	75 538
1989 ---	6 451	7 061	7 262	6 997	6 638	6 669	5 484	5 726	6 048	5 357	5 722	5 631	20 774	20 304	17 258	16 710	75 046
1990 ---	5 855	6 028	6 878	5 995	5 996	5 931	5 507	5 403	6 072	6 241	5 769	5 682	18 761	17 922	16 982	17 692	71 357
1991 ---	5 026	5 266	5 779	5 334	5 230	5 373	4 896	5 046	5 504	5 087	5 617	5 106	16 071	15 937	15 446	15 810	63 264
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 099	3 993	3 851	4 058	4 004	4 081	3 781	3 786	4 003	3 660	3 749	3 824	11 943	12 143	11 570	11 233	(X)
1983 ---	4 132	4 755	4 146	4 164	4 401	4 697	4 577	4 783	4 446	4 870	5 457	5 361	13 033	13 262	13 806	15 688	(X)
1984 ---	4 843	5 132	4 762	5 300	4 628	4 421	4 831	4 585	4 474	4 476	4 364	4 112	14 737	14 349	13 890	12 952	(X)
1985 ---	4 309	4 177	4 152	4 629	4 544	4 770	4 361	4 315	4 284	4 283	4 075	4 294	12 638	13 943	12 960	12 652	(X)
1986 ---	4 798	4 747	3 951	3 948	3 827	4 131	4 004	4 322	4 203	4 313	4 342	4 564	13 496	11 906	12 529	13 219	(X)
1987 ---	4 053	4 380	4 657	4 618	4 877	5 195	4 951	4 855	5 602	5 785	5 121	6 282	13 090	14 690	15 408	17 188	(X)
1988 ---	5 832	5 893	5 670	5 785	5 975	6 415	6 302	6 499	6 308	7 084	6 723	7 043	17 395	18 175	19 109	20 850	(X)
1989 ---	6 563	6 819	6 333	7 093	6 610	6 574	6 126	6 041	5 930	5 360	5 723	5 716	19 715	20 277	18 097	16 799	(X)
1990 ---	6 083	5 805	6 064	6 050	5 980	5 829	6 076	5 705	5 929	6 259	5 725	5 832	17 952	17 859	17 710	17 816	(X)
1991 ---	5 282	5 062	5 068	5 364	5 219	5 284	5 359	5 328	5 381	5 081	5 572	5 239	15 412	15 867	16 068	15 892	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-4.5	-2.6	-3.6	5.4	-1.3	1.9	-7.4	.1	5.7	-8.6	2.4	2.0	-8.8	1.7	-4.7	-2.9	(X)
1983 ---	8.1	15.1	-12.8	4	5.7	6.7	-2.6	4.5	-7.0	9.5	12.1	-1.8	16.0	1.8	4.1	13.6	(X)
1984 ---	-9.7	6.0	-7.2	11.3	-12.7	-4.5	9.3	-5.1	-2.4	-	-2.5	-5.8	-6.1	-2.6	-3.2	-6.8	(X)
1985 ---	4.8	-3.1	-6	11.5	-1.8	5.0	-8.6	-1.1	-7	-	-4.9	5.4	-2.4	10.3	-7.1	-2.4	(X)
1986 ---	11.7	-1.1	-16.8	-1	-3.1	7.9	-3.1	7.9	-2.8	2.6	7	5.1	6.7	-11.8	5.2	5.5	(X)
1987 ---	-11.2	8.1	6.3	-8	5.6	6.5	-4.7	-1.9	15.4	3.3	-11.5	22.7	-1.0	12.2	4.9	11.6	(X)
1988 ---	-7.2	1.0	-3.8	2.0	3.3	7.4	-1.8	3.1	-2.9	12.3	-5.1	4.8	1.2	4.5	5.1	9.1	(X)
1989 ---	-6.8	3.9	-7.1	12.0	-6.8	-5	-6.8	-1.4	-1.8	-9.6	6.8	-1	-5.4	2.9	-10.8	-7.2	(X)
1990 ---	6.4	-4.6	4.5	-2	-1.2	-2.5	4.2	-6.1	3.9	5.6	-8.5	1.9	6.9	-5	-8	6	(X)
1991 ---	-9.4	-4.2	.1	5.8	-2.7	1.2	1.4	-6	1.0	-5.6	9.7	-6.0	-13.5	3.0	1.3	-1.1	(X)
FABRICATED METAL PRODUCTS, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 899	9 707	11 585	9 764	10 162	10 536	9 042	9 410	9 562	9 190	7 995	7 547	30 191	30 462	28 014	24 732	113 399
1983 ---	8 915	9 455	10 778	9 714	10 419	10 995	9 543	10 193	11 266	11 066	10 391	10 025	29 148	31 128	31 002	31 482	122 760
1984 ---	10 984	12 180	12 523	11 539	12 119	12 578	10 843	12 240	12 294	11 791	12 060	10 499	35 687	36 236	35 377	34 350	141 650
1985 ---	11 330	11 542	12 935	11 440	11 855	12 157	10 966	12 208	12 695	12 063	12 384	10 725	35 807	35 452	35 869	35 172	142 300
1986 ---	10 953	12 141	11 986	12 440	12 173	13 007	10 891	11 641	12 480	12 084	11 938	11 807	35 080	37 620	35 012	35 829	143 541
1987 ---	10 907	12 619	13 376	12 403	12 882	13 995	11 874	12 377	13 219	12 840	12 408	11 816	36 902	39 280	37 470	37 064	150 716
1988 ---	11 071	13 236	13 911	12 949	13 792	14 164	12 072	12 750	13 650	13 609	13 204	12 973	38 218	40 905	38 472	39 786	157 381
1989 ---	12 303	14 289	14 350	13 307	13 098	14 284	11 344	12 522	13 523	13 753	12 749	12 448	40 942	40 689	37 369	38 950	157 970
1990 ---	11 995	13 343	14 743	13 617	13 992	14 506	13 033	13 155	14 639	13 512	12 297	12 457	40 081	42 115	40 827	38 266	161 289
1991 ---	12 034	12 383	13 338	13 098	13 279	13 467	12 040	13 231	13 641	13 926	13 079	12 232	37 755	39 844	38 912	39 237	155 748
Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 710	9 371	10 570	9 549	9 903	9 829	9 761	9 444	9 278	9 119	8 328	8 393	29 651	29 281	28 483	25 840	(X)
1983 ---	9 740	9 158	9 897	9 587	10 134	10 263	10 207	10 187	10 924	10 893	10 756	11 060	28 795	29 984	31 318	32 709	(X)
1984 ---	11 932	11 843	11 576	11 427	11 781	11 744	11 633	12 211	11 964	11 595	12 401	11 537	35 351	34 952	35 808	35 533	(X)
1985 ---	12 316	11 200	12 010	11 348	11 490	11 352	11 802	12 197	12 342	11 774	12 686	11 690	35 526	34 190	36 341	36 150	(X)
1986 ---	11 974	11 804	11 119	12 344	11 801	12 217	11 740	11 685	12 125	11 763	12 171	12 698	34 897	36 362	35 550	36 632	(X)
1987 ---	11 976	12 328	12 440	12 275	12 491	13 245	12 774	12 495	12 845	12 522	12 651	12 640	36 744	38 011	38 114	37 813	(X)
1988 ---	12 219	12 991	12 905	12 807	13 377	13 336	12 999	12 923	13 217	13 216	13 453	13 850	38 115	39 520	39 139	40 519	(X)
1989 ---	13 576	14 132	13 261	13 160	12 670	13 517	12 257	12 702	13 017	13 257	13 087	13 279	40 969	39 347	37 976	39 623	(X)
1990 ---	13 203	13 344	13 657	13 468	13 531	13 697	14 023	13 302	14 107	12 959	12 634	13 269	40 204	40 696	41 432	38 862	(X)
1991 ---	13 205	12 469	12 353	12 955	12 833	12 690	12 932	13 345	13 104	13 369	13 426	13 009	38 027	38 478	39 381	39 804	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-2.3	-3.5	12.8	-9.7	3.7	-7	-7	-3.2	-1.8	-1.7	-8.7	.8	3.1	-1.2	-2.7	-9.3	(X)
1983 ---	16.0	-6.0	8.1	-3.1	5.7	1.3	-5	-2	7.2	-3	-1.3	2.8	11.4	4.1	4.4	4.4	(X)
1984 ---	7.9	-7	-2.3	-1.3	3.1	-3	-9	5.0	-2.0	-3.1	7.0	-7.0	8.1	-1.1	2.4	-8	(X)
1985 ---	6.8	-9.1	7.2	-5.5	1.3	-1.2	4.0	3.3	1.2	-4.6	7.7	-7.9	-	-3.8	6.3	-5	(X)
1986 ---	2.4	-1.4	-5.8	11.0	-4.4	3.5	-3.9	-5	3.8	-3.0	3.5	4.3	-3.5	4.2	-2.2	3.0	(X)
1987 ---	-5.7	2.9	9	-1.3	1.8	6.0	-3.6	-2.2	2.8	-2.5	1.0	-1	3	3.4	3	-8	(X)
1988 ---	-3.3	6.3	-7	-8	4.5	-3	-2.5	-6	2.3	-	1.8	3.0	8	3.7	-1.0	3.5	(X)
1989 ---	-2.0	4.1	-6.2	-8	-3.7	6.7	-9.3	3.6	2.5	1.8	-1.3	1.5	1.1	-4.0	-3.5	4.3	(X)
1990 ---	-6	1.1	2.3	-1.4	5	1.2	2.4	-5.1	6.1	-8.1	-2.5	5.0	1.5	1.2	1.8	-6.2	(X)
1991 ---	-5	-5.6	-9	4.9	-9	-1.1	1.9	3.2	-1.8	2.0	4	-3.1	-2.1	1.2	2.3	1.1	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	14 583	16 016	16 194	15 285	13 785	14 739	11 944	11 985	13 998	13 907	12 902	13 936	46 793	43 809	37 927	40 745	169 274
1983 ---	11 989	12 762	15 373	14 345	14 481	16 286	13 033	13 754	16 987	16 896	15 483	17 490	40 124	45 112	43 774	49 869	178 879
1984 ---	16 293	17 384	19 593	17 042	18 541	19 460	15 844	16 004	18 279	17 566	17 637	18 466	53 270	55 043	50 127	53 669	212 109
1985 ---	14 671	20 636	21 309	17 139	17 787	20 046	15 758	16 819	19 275	17 750	18 084	19 121	56 616	54 972	51 852	54 955	218 395
1986 ---	15 453	19 062	18 870	17 151	17 176	19 706	15 057	15 681	18 428	16 199	17 180	18 604	53 385	54 033	49 166	51 983	208 567
1987 ---	15 271	18 075	19 023	17 959	18 094	20 245	16 835	17 219	20 410	18 898	18 304	20 838	52 369	56 298	54 464	58 040	221 171
1988 ---	17 548	19 907	22 348	20 386	20 218	23 484	18 422	20 775	22 841	19 938	20 401	22 446	59 803	64 088	62 038	62 785	248 714
1989 ---	19 232	21 039	23 233	21 237	21 164	25 527	17 398	19 610	23 552	19 595	20 612	22 035	63 504	67 928	60 560	62 242	254 234
1990 ---	19 299	21 090	23 847	20 692	21 262	23 709	19 544	19 363	23 695	21 157	20 449	21 602	64 236	65 663	62 602	63 208	255 709
1991 ---	18 867	18 831	21 345	19 496	20 230	22 303	17 616	18 499	22 378	19 399	19 154	20 870	59 043	62 029	58 493	59 423	238 988
Seasonally Adjusted—Millions of Dollars																	
1982 ---	15 375	15 795	14 820	15 093	13 925	13 448	13 720	13 297	13 432	14 001	13 206	12 776	45 990	42 466	40 449	39 983	(X)
1983 ---	12 967	12 715	14 014	14 356	14 476	14 918	14 946	15 029	16 349	17 083	15 871	16 280	39 696	43 750	46 324	49 234	(X)
1984 ---	17 737	17 323	17 849	17 004	18 481	17 683	18 243	17 483	17 336	17 817	18 014	16 886	52 909	53 168	53 062	52 717	(X)
1985 ---	16 459	20 572	19 319	17 193	17 767	18 056	18 102	18 323	18 163	18 035	18 508	17 573	56 350	53 016	54 588	54 116	(X)
1986 ---	17 406	18 946	16 971	17 285	17 277	17 604	17 163	17 023	17 194	16 465	17 582	17 066	53 323	52 166	51 380	51 113	(X)
1987 ---	17 288	18 033	17 267	18 181	18 258	18 144	19 206	18 586	18 949	19 261	18 713	19 270	52 588	54 583	56 741	57 244	(X)
1988 ---	19 787	20 050	20 367	20 579	20 536	20 960	20 892	22 316	21 101	20 268	20 949	20 626	60 204	62 075	64 309	61 843	(X)
1989 ---	21 584	21 274	21 255	21 337	21 506	22 772	19 893	21 124	21 719	19 777	21 219	20 323	64 113	65 615	62 736	61 319	(X)
1990 ---	21 646	21 527	21 842	20 742	21 515	20 975	22 044	20 804	21 832	21 308	21 053	20 053	65 015	63 232	64 680	62 414	(X)
1991 ---	21 241	19 396	19 537	19 613	20 559	19 541	20 139	19 844	20 649	19 660	19 771	19 195	60 174	59 713	60 632	58 626	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-2	2.7	-6.2	1.8	-7.7	-3.4	2.0	-3.1	1.0	4.2	-5.7	-3.3	-5.1	-7.7	-4.7	-1.2	(X)
1983 ---	1.5	-1.9	10.2	2.4	.8	3.1	2	6	8.8	4.5	-7.1	2.6	-7	10.2	5.9	6.3	(X)
1984 ---	8.9	-2.3	3.0	-4.7	8.7	-4.3	3.2	-4.2	-8	2.8	1.1	-6.3	7.5	.5	-2	-7	(X)
1985 ---	-2.5	25.0	-6.1	-11.0	3.3	1.6	.3	1.2	-9	-7	2.6	-5.1	6.9	-5.9	3.0	-9	(X)
1986 ---	-1.0	8.8	-10.4	1.9	-	1.9	-2.5	-8	1.0	-4.2	6.8	-2.9	-1.5	-2.2	-1.5	-5	(X)
1987 ---	1.3	4.3	-4.2	5.3	4	-6	5.9	-3.2	2.0	1.6	-2.8	3.0	2.9	3.8	4.0	.9	(X)
1988 ---	2.7	1.3	1.6	1.0	-2	2.1	-3	6.8	-5.4	-3.9	3.4	-1.5	5.2	3.1	3.6	-3.8	(X)
1989 ---	4.6	-1.4	-1	.4	.8	5.9	-12.6	6.2	2.8	-8.9	7.3	-4.2	3.7	2.3	-4.4	-2.3	(X)
1990 ---	6.5	-5	1.5	-5.0	3.7	-2.5	5.1	-5.6	4.9	-2.4	-1.2	-4.7	6.0	-2.7	2.3	-3.5	(X)
1991 ---	5.9	-8.7	.7	.4	4.8	-5.0	3.1	-1.5	4.1	-4.8	6	-2.9	-3.6	-8	1.5	-3.3	(X)
ENGINES AND TURBINES—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	890	1 144	1 093	829	1 102	843	734	935	828	1 145	660	-85	3 127	2 774	2 497	1 720	10 118
1983 ---	732	851	971	863	1 138	836	834	926	1 003	1 526	1 084	964	2 554	2 837	2 763	3 574	11 728
1984 ---	822	985	1 159	1 001	895	1 188	1 485	1 029	1 227	977	982	1 215	2 966	3 084	3 741	3 174	12 965
1985 ---	856	1 211	1 394	1 145	1 121	1 422	1 192	1 315	1 155	1 192	1 331	1 385	3 461	3 688	3 662	3 908	14 719
1986 ---	939	1 206	1 321	1 093	1 154	1 125	915	981	1 297	1 048	886	1 201	3 466	3 372	3 193	3 135	13 166
1987 ---	769	1 052	1 375	1 089	1 200	1 230	1 134	1 291	1 443	1 357	1 298	1 377	3 196	3 519	3 868	4 032	14 615
1988 ---	939	1 098	1 239	1 154	1 319	1 551	1 160	1 434	1 722	1 407	1 392	1 176	3 276	4 024	4 316	3 975	15 591
1989 ---	1 236	1 712	1 481	1 277	1 499	2 732	1 025	1 493	1 715	1 367	1 598	1 930	4 429	5 508	4 233	4 895	19 065
1990 ---	1 444	1 578	1 510	1 128	1 509	1 630	1 848	1 442	2 000	1 565	1 618	1 756	4 532	4 267	5 290	4 939	19 028
1991 ---	1 452	1 182	1 542	1 414	1 569	1 594	1 917	1 455	2 744	1 578	1 492	1 876	4 176	4 577	6 116	4 946	19 815
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 008	1 194	944	845	1 120	808	737	858	784	1 130	708	-78	3 146	2 773	2 379	1 760	(X)
1983 ---	869	899	845	907	1 144	825	829	858	952	1 533	1 128	959	2 613	2 876	2 639	3 620	(X)
1984 ---	1 015	1 026	970	1 029	875	1 137	1 571	980	1 149	1 009	1 003	1 108	3 011	3 041	3 700	3 120	(X)
1985 ---	1 110	1 269	1 182	1 202	1 122	1 363	1 290	1 300	1 078	1 213	1 324	1 231	3 561	3 687	3 668	3 768	(X)
1986 ---	1 197	1 279	1 127	1 158	1 179	1 059	999	955	1 199	1 053	871	927	3 603	3 396	3 153	2 851	(X)
1987 ---	965	1 112	1 255	1 190	1 242	1 171	1 287	1 293	1 320	1 360	1 247	1 093	3 332	3 603	3 900	3 700	(X)
1988 ---	1 160	1 171	1 149	1 271	1 357	1 508	1 302	1 452	1 588	1 409	1 329	667	3 480	4 136	4 342	3 405	(X)
1989 ---	1 488	1 824	1 441	1 436	1 536	2 676	1 132	1 475	1 548	1 359	1 474	1 363	4 753	5 648	4 155	4 196	(X)
1990 ---	1 650	1 768	1 535	1 304	1 561	1 581	1 930	1 396	1 794	1 531	1 484	1 223	4 953	4 446	5 120	4 238	(X)
1991 ---	1 768	1 433	1 556	1 639	1 706	1 435	2 155	1 477	2 500	1 606	1 354	1 234	4 757	4 780	6 132	4 194	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	11.9	18.5	-20.9	-10.5	32.5	-27.9	-8.8	16.4	-8.6	44.1	-37.3	-111.2	1.5	-11.9	-14.2	-26.1	(X)
1983 ---	(n)	3.5	-6.0	7.3	26.1	-27.9	.5	3.5	11.0	61.0	-26.4	-15.0	48.6	10.1	-8.2	37.2	(X)
1984 ---	5.8	1.1	-5.5	6.1	-15.0	29.9	38.2	-37.6	17.2	-12.2	-6	10.5	-16.8	1.0	21.7	-15.7	(X)
1985 ---	2	14.3	-6.9	1.7	-6.7	21.5	-5.4	8	-17.1	12.5	9.2	-7.0	14.1	3.5	-5	2.7	(X)
1986 ---	-2.8	6.9	-11.9	2.8	1.8	-10.2	-5.7	-4.4	25.5	-12.2	-17.3	6.4	-4.4	-5.7	-7.2	-9.6	(X)
1987 ---	4.1	15.2	12.9	-5.2	4.4	-5.7	9.9	.5	2.1	3.0	-8.3	-12.3	16.9	8.1	8.2	-5.1	(X)
1988 ---	6.1	9	-1.9	10.6	6.8	11.1	-13.7	11.5	9.4	-11.3	-5.7	-49.8	-5.9	18.9	5.0	-21.6	(X)
1989 ---	123.1	22.6	-21.0	-3	7.0	74.2	-57.7	30.3	4.9	-12.2	8.5	-7.5	39.6	18.8	-26.4	1.0	(X)
1990 ---	21.1	7.2	-13.2	-15.0	19.7	1.3	22.1	-27.7	28.5	-14.7	-3.1	-17.6	18.0	-10.2	15.2	-17.2	(X)
1991 ---	44.6	-18.9	8.6	5.3	4.1	-15.9	50.2	-31.5	69.3	-35.8	-15.7	-8.9	12.2	.5	28.3	-31.6	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
CONSTRUCTION, MINING, AND MATERIAL HANDLING EQUIPMENT—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 730	2 799	2 458	1 941	1 869	2 365	2 175	1 801	2 313	1 900	2 019	1 675	7 987	6 175	6 289	5 594	26 045
1983 ---	1 648	1 770	1 765	1 912	2 103	2 233	2 164	1 934	2 265	2 218	2 248	2 274	5 183	6 248	6 363	6 740	24 534
1984 ---	2 109	2 477	2 437	2 243	2 566	2 567	2 303	1 802	2 347	2 348	2 155	2 053	7 023	7 376	6 452	6 556	27 407
1985 ---	2 074	2 074	2 679	2 428	2 264	2 435	2 526	2 137	2 544	2 368	2 461	2 401	6 827	7 127	7 207	7 230	28 391
1986 ---	2 178	2 292	2 121	2 160	2 173	1 952	1 915	1 715	1 752	1 867	2 102	2 084	6 591	6 285	5 382	6 053	24 311
1987 ---	1 371	1 999	2 001	2 033	1 977	1 996	2 501	1 879	2 321	2 126	2 273	2 573	5 371	6 006	6 701	6 972	25 050
1988 ---	2 019	2 376	2 711	2 532	2 253	2 469	2 602	2 216	2 426	2 454	2 348	2 595	7 106	7 254	7 244	7 397	29 001
1989 ---	2 292	2 369	3 040	2 777	2 346	2 544	2 289	2 250	2 356	2 504	2 659	2 307	7 701	7 667	6 895	7 470	29 733
1990 ---	2 633	2 558	2 684	2 730	2 368	2 805	2 254	2 132	2 254	2 730	2 637	2 257	7 875	7 903	6 640	7 624	30 042
1991 ---	2 779	2 115	2 419	2 678	2 502	2 278	2 048	2 335	2 672	2 293	2 212	2 288	7 313	7 458	7 055	6 793	28 818
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 799	2 625	2 429	1 946	1 963	2 230	2 175	2 043	2 234	1 856	2 030	1 659	7 853	6 139	6 452	5 545	(X)
1983 ---	1 732	1 685	1 748	1 928	2 104	2 120	2 127	2 168	2 188	2 205	2 228	2 281	5 165	6 152	6 483	6 714	(X)
1984 ---	2 259	2 389	2 409	2 249	2 530	2 444	2 223	2 092	2 262	2 363	2 111	2 051	7 057	7 223	6 577	6 525	(X)
1985 ---	2 247	2 002	2 616	2 408	2 214	2 347	2 420	2 465	2 477	2 394	2 414	2 371	6 865	6 969	7 362	7 179	(X)
1986 ---	2 414	2 228	2 016	2 096	2 157	1 885	1 813	1 987	1 713	1 898	2 065	2 038	6 658	6 138	5 513	6 001	(X)
1987 ---	1 542	1 963	1 864	1 945	2 005	1 931	2 414	2 152	2 328	2 143	2 236	2 526	5 369	5 881	6 894	6 905	(X)
1988 ---	2 234	2 348	2 523	2 390	2 327	2 390	2 529	2 487	2 466	2 463	2 315	2 530	7 105	7 107	7 482	7 308	(X)
1989 ---	2 491	2 348	2 825	2 600	2 479	2 458	2 249	2 510	2 423	2 471	2 655	2 278	7 664	7 537	7 182	7 404	(X)
1990 ---	2 798	2 539	2 471	2 526	2 506	2 701	2 247	2 359	2 323	2 689	2 655	2 267	7 808	7 733	6 929	7 611	(X)
1991 ---	2 911	2 095	2 235	2 470	2 610	2 161	2 059	2 535	2 761	2 232	2 229	2 329	7 241	7 241	7 355	6 790	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-12.1	-6.2	-7.5	-19.9	9	13.6	-2.5	-6.1	9.3	-16.9	9.4	-18.3	-17.0	-21.8	5.1	-14.1	(X)
1983 ---	4.4	-2.7	3.7	10.3	9.1	8	3	1.9	9	8	1.0	2.4	-6.9	19.1	5.4	3.6	(X)
1984 ---	-1.0	5.8	8	-6.6	12.5	-3.4	-9.0	-5.9	8.1	4.5	-10.7	-2.8	5.1	2.4	-8.9	-8	(X)
1985 ---	9.6	-10.9	30.7	-8.0	-8.1	6.0	3.1	1.9	5	-3.4	8	-1.8	5.2	1.5	5.6	-2.5	(X)
1986 ---	1.8	-7.7	-9.5	4.0	2.9	-12.6	-3.8	9.6	-13.8	10.8	8.8	-1.3	-7.3	-7.8	-10.2	8.9	(X)
1987 ---	-24.3	27.3	-5.0	4.3	3.1	-3.7	25.0	-10.9	8.2	-7.9	4.3	13.0	-10.5	9.5	17.2	2	(X)
1988 ---	-11.6	5.1	7.5	-5.3	-2.6	2.7	5.8	-1.7	-8	-1	-6.0	9.3	2.9	-	5.3	-2.3	(X)
1989 ---	-1.5	-5.7	20.3	-8.0	-4.7	-8	-8.5	11.6	-3.5	2.0	7.4	-14.2	4.9	-1.7	-4.7	3.1	(X)
1990 ---	22.8	-9.3	-2.7	2.2	-8	7.8	-16.8	5.0	-1.5	15.8	-1.3	-14.6	5.5	-1.0	-10.4	9.8	(X)
1991 ---	28.4	-28.0	6.7	10.5	5.7	-17.2	-4.7	23.1	8.9	-19.2	-1	4.5	-4.9	-	1.6	-7.7	(X)
METALWORKING MACHINERY—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 568	1 519	1 514	1 376	1 278	1 484	1 219	1 328	1 203	1 356	1 133	1 164	4 601	4 138	3 750	3 653	16 142
1983 ---	1 199	1 296	1 323	1 326	1 443	1 457	1 322	1 471	1 477	1 713	1 496	1 384	3 818	4 226	4 270	4 593	16 907
1984 ---	1 686	1 839	1 940	1 808	1 893	1 830	1 979	1 852	1 860	1 796	1 697	1 784	5 465	5 531	5 691	5 277	21 964
1985 ---	1 646	1 958	2 035	1 815	1 814	1 872	1 840	1 673	2 020	1 972	1 823	1 666	5 639	5 501	5 533	5 461	22 134
1986 ---	1 866	2 147	2 029	1 921	1 850	1 921	1 609	1 726	1 926	1 881	1 791	1 515	6 042	5 692	5 261	5 187	22 182
1987 ---	1 729	1 875	1 934	1 807	1 894	1 893	1 523	1 672	2 015	2 004	1 963	1 907	5 538	5 394	5 210	5 874	22 016
1988 ---	1 906	2 161	2 523	2 132	2 044	2 249	2 099	2 248	2 494	2 270	2 552	2 118	6 590	6 425	6 841	6 940	26 796
1989 ---	1 999	2 442	2 495	2 086	2 202	2 346	2 023	1 885	2 721	2 314	2 146	1 957	6 936	6 634	6 629	6 417	26 616
1990 ---	1 908	2 103	2 714	1 876	2 054	2 659	1 955	2 102	2 479	2 428	2 115	2 508	6 725	6 589	6 536	7 051	26 901
1991 ---	1 530	1 808	2 214	1 782	1 784	2 166	1 849	1 946	2 277	1 911	2 134	2 498	5 552	5 732	6 072	6 543	23 899
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 651	1 434	1 355	1 355	1 281	1 405	1 390	1 436	1 149	1 297	1 174	1 201	4 440	4 041	3 975	3 672	(X)
1983 ---	1 261	1 238	1 214	1 308	1 440	1 398	1 467	1 567	1 422	1 639	1 538	1 419	3 713	4 146	4 456	4 596	(X)
1984 ---	1 768	1 766	1 806	1 786	1 887	1 758	1 977	1 791	1 699	1 731	1 819	1 819	5 340	5 431	5 937	5 249	(X)
1985 ---	1 753	1 873	1 879	1 800	1 816	1 790	2 070	1 814	1 935	1 854	1 835	1 690	5 505	5 406	5 819	5 379	(X)
1986 ---	2 024	2 049	1 851	1 923	1 864	1 821	1 850	1 873	1 829	1 752	1 777	1 526	5 924	5 608	5 552	5 055	(X)
1987 ---	1 919	1 790	1 748	1 839	1 723	1 780	1 752	1 812	1 909	1 858	1 930	1 905	5 457	5 342	5 473	5 693	(X)
1988 ---	2 150	2 085	2 298	2 203	2 083	2 098	2 358	2 403	2 361	2 090	2 506	2 097	6 533	6 384	7 122	6 693	(X)
1989 ---	2 301	2 379	2 234	2 206	2 250	2 140	2 313	2 030	2 579	2 115	2 100	1 912	6 914	6 596	6 922	6 127	(X)
1990 ---	2 283	2 061	2 430	2 027	2 093	2 420	2 249	2 231	2 329	2 217	2 077	2 449	6 774	6 540	6 809	6 743	(X)
1991 ---	1 875	1 778	1 984	1 926	1 816	1 946	2 086	2 059	2 142	1 722	2 107	2 439	5 637	5 688	6 287	6 268	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	13.8	-13.1	-5.5	-	-5.5	9.7	-1.1	3.3	-20.0	12.9	-9.5	2.3	-13.6	-9.0	-1.6	-7.6	(X)
1983 ---	5.0	-1.8	-1.9	7.7	10.1	-2.9	4.9	6.8	-9.3	15.3	-6.2	-7.7	1.1	11.7	7.5	3.1	(X)
1984 ---	24.6	-1	2.3	-1.1	5.7	-6.8	23.4	-8.9	-9.4	-5.1	1.9	5.1	16.2	1.7	9.3	-11.6	(X)
1985 ---	-3.6	6.8	3	-4.2	9	-1.4	15.6	-12.4	6.7	-4.2	-1.0	-7.9	4.9	-1.8	7.6	-7.6	(X)
1986 ---	19.8	1.2	-9.7	3.9	-3.1	-2.3	1.6	1.2	-2.3	-4.2	1.4	-14.1	10.1	-5.3	-1.0	-9.0	(X)
1987 ---	25.8	-6.7	-2.3	5.2	-6.3	3.3	-1.6	3.4	5.4	-2.7	3.9	-1.3	8.0	-2.1	2.5	4.0	(X)
1988 ---	12.9	-3.0	10.2	-4.1	-5.4	7	12.4	1.9	-1.7	-11.5	19.9	-16.3	14.8	-2.3	11.6	-6.0	(X)
1989 ---	9.7	3.4	-6.1	-1.3	2.0	-4.9	8.1	-12.2	27.0	-18.0	-7	-9.0	3.3	-4.6	4.9	-11.5	(X)
1990 ---	19.4	-9.7	17.9	-16.6	3.3	15.6	-7.1	-8	4.4	-4.8	-6.3	17.9	10.6	-3.5	4.1	-1.0	(X)
1991 ---	-23.4	-5.2	11.6	-2.9	-5.7	7.2	7.2	-1.3	4.0	-19.6	22.4	15.8	-16.4	9	10.5	-3	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
COMPUTER AND OFFICE EQUIPMENT—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 648	3 224	3 668	4 157	2 715	3 130	2 181	2 116	3 229	3 013	3 096	5 636	9 540	10 002	7 526	11 745	38 813
1983 ---	2 586	2 420	4 296	3 791	3 274	4 899	2 890	2 962	5 102	3 781	3 833	6 022	9 302	11 964	10 954	13 636	45 856
1984 ---	3 750	4 202	5 177	4 302	4 833	5 759	3 259	4 156	5 409	4 362	5 784	6 166	13 129	14 894	12 824	16 312	57 159
1985 ---	3 019	7 138	6 232	3 446	4 576	6 191	3 274	4 345	5 858	4 454	4 740	6 286	16 389	14 213	13 477	15 480	59 559
1986 ---	2 735	5 159	5 214	3 501	4 214	6 487	3 361	4 380	5 615	3 661	4 971	6 577	13 108	14 202	13 356	15 209	55 875
1987 ---	3 305	4 719	5 447	4 411	4 721	6 365	4 061	4 453	6 294	4 644	5 070	6 764	13 471	15 497	14 808	16 478	60 254
1988 ---	4 021	5 270	6 121	4 951	5 255	7 385	4 455	5 747	6 532	4 745	5 420	7 424	15 412	17 591	16 734	17 589	67 326
1989 ---	4 040	4 344	6 413	4 471	4 806	6 817	3 940	5 131	7 084	4 548	5 292	6 996	14 797	16 094	16 155	16 836	63 682
1990 ---	3 878	4 719	6 337	4 563	4 888	6 385	4 556	4 252	7 473	4 650	5 009	6 398	14 934	15 836	16 281	16 057	63 108
1991 ---	4 199	4 499	6 133	4 098	5 007	6 725	3 991	4 631	6 103	4 712	5 138	6 123	14 831	15 830	14 725	15 973	61 359
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 033	3 558	3 387	4 217	2 863	2 638	2 999	2 735	2 949	3 341	2 906	4 067	9 978	9 718	8 683	10 314	(X)
1983 ---	3 114	2 745	3 886	4 005	3 442	4 208	3 944	3 526	4 694	4 155	3 719	4 296	9 745	11 655	12 164	12 170	(X)
1984 ---	4 587	4 577	4 617	4 608	5 107	4 760	4 621	4 788	4 721	4 804	5 678	4 203	13 781	14 475	14 130	14 685	(X)
1985 ---	4 102	7 501	5 480	3 913	4 882	4 956	4 582	4 892	4 975	4 947	4 670	4 489	17 083	13 751	14 449	14 106	(X)
1986 ---	3 838	5 474	4 478	4 124	4 536	5 172	4 471	4 852	4 609	4 126	4 923	4 949	13 790	13 832	13 932	13 998	(X)
1987 ---	4 560	5 039	4 746	5 106	5 066	5 071	5 276	4 940	5 066	5 211	5 055	5 109	14 345	15 243	15 282	15 375	(X)
1988 ---	5 398	5 712	5 238	5 768	5 718	5 847	5 739	6 318	5 066	5 334	5 470	5 707	16 348	17 333	17 123	16 511	(X)
1989 ---	5 422	4 803	5 508	5 247	5 267	5 236	5 128	5 686	5 586	5 072	5 373	5 370	15 733	15 750	16 400	15 815	(X)
1990 ---	5 211	5 305	5 399	5 313	5 334	4 891	5 672	4 806	5 993	5 205	5 104	4 860	15 915	15 538	16 471	15 169	(X)
1991 ---	5 482	5 098	5 215	4 840	5 445	5 268	5 130	5 172	4 747	5 254	5 266	4 584	15 795	15 553	15 049	15 104	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-5.0	17.3	-4.8	24.5	-32.1	-7.9	13.7	-8.8	7.8	13.3	-13.0	40.0	-2.1	-2.6	-10.7	18.8	(X)
1983 ---	-23.4	-11.8	41.6	3.1	-14.1	22.3	-6.3	-10.6	33.1	-11.5	-10.5	15.5	-5.5	19.6	4.4	-	(X)
1984 ---	6.8	-2	9	-2	10.8	-6.8	-2.9	3.6	-1.4	1.8	18.2	-26.0	13.2	5.0	-2.4	3.9	(X)
1985 ---	-2.4	82.9	-26.9	-28.6	24.8	1.5	-7.5	6.8	1.7	-6	-5.6	-3.9	16.3	-19.5	5.1	-2.4	(X)
1986 ---	-14.5	42.6	-18.2	-7.9	10.0	14.0	-13.6	8.5	-5.0	-10.5	19.3	5	-2.2	3	3	5	(X)
1987 ---	-7.9	10.5	-5.8	7.6	-8	1	4.0	-6.4	2.6	2.9	-3.0	1.1	2.5	6.3	3	6	(X)
1988 ---	5.7	5.8	-8.3	10.1	-9	2.3	-1.8	10.1	-19.8	5.3	2.5	4.3	6.3	6.0	-1.2	-3.6	(X)
1989 ---	-5.0	-11.4	14.7	-4.7	4	-6	-2.1	10.9	-1.8	-9.2	5.9	-1	-4.7	1	4.1	-3.6	(X)
1990 ---	-3.0	1.8	1.8	-1.6	4	-8.3	16.0	-15.3	24.7	-13.1	-1.9	-4.8	6	-2.4	6.0	-7.9	(X)
1991 ---	12.8	-7.0	2.3	-7.2	12.5	-3.3	-2.6	8	-8.2	10.7	2	-13.0	4.1	-1.5	-3.2	4	(X)
ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 008	10 978	11 573	11 156	10 792	10 940	9 648	9 974	10 926	10 609	10 701	10 325	32 559	32 888	30 548	31 635	127 630
1983 ---	10 101	11 355	11 812	11 157	11 304	12 260	11 079	12 321	12 730	12 917	12 587	12 508	33 268	34 721	36 130	38 012	142 131
1984 ---	12 854	14 455	14 740	13 567	15 193	14 481	12 808	13 893	14 277	13 322	12 917	13 034	42 049	43 241	40 978	39 273	165 541
1985 ---	13 637	13 888	14 034	12 755	13 419	13 985	12 279	12 786	14 683	14 192	13 690	14 004	41 559	40 159	39 748	41 886	163 352
1986 ---	12 448	13 919	14 440	13 146	12 732	15 186	12 585	12 908	15 308	14 041	13 076	14 493	40 807	41 064	40 801	41 610	164 282
1987 ---	11 865	13 926	14 656	13 857	13 610	15 827	13 634	13 940	16 201	14 929	15 224	15 541	40 447	43 294	43 775	45 694	173 210
1988 ---	14 285	15 785	17 040	14 834	15 116	16 805	14 349	15 478	17 440	16 132	15 798	15 657	47 110	46 755	47 267	47 587	188 719
1989 ---	14 948	16 047	16 340	15 330	14 604	16 865	13 784	16 112	16 881	15 788	16 036	16 619	47 335	46 799	46 777	48 443	189 354
1990 ---	14 972	16 639	16 900	15 575	16 316	17 375	14 491	16 384	16 945	16 701	15 592	17 068	48 511	49 266	47 820	49 361	194 958
1991 ---	14 434	17 863	16 220	16 543	16 041	16 138	15 270	15 812	17 727	16 893	17 432	17 858	48 517	48 722	48 809	52 183	198 231
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 489	10 509	10 981	11 105	10 701	10 306	10 716	10 205	10 539	10 647	10 894	10 500	31 979	32 112	31 460	32 041	(X)
1983 ---	10 637	10 985	11 131	11 214	11 153	11 628	12 032	12 523	12 259	13 012	12 776	12 645	32 753	33 995	36 814	38 433	(X)
1984 ---	13 591	14 097	13 867	13 638	14 959	13 792	13 907	14 262	13 661	13 436	13 093	13 025	41 555	42 389	41 830	39 554	(X)
1985 ---	14 618	13 543	13 073	13 054	13 378	13 255	13 462	13 215	13 758	14 158	13 752	13 878	41 234	39 687	40 435	41 788	(X)
1986 ---	13 512	13 638	13 506	13 594	12 862	14 370	13 778	13 336	14 183	13 961	13 021	14 313	40 656	40 826	41 297	41 295	(X)
1987 ---	13 024	13 620	13 725	14 250	13 936	14 867	14 896	14 388	15 092	14 890	15 146	15 331	40 369	43 053	44 376	45 367	(X)
1988 ---	15 641	15 376	16 047	15 140	15 601	15 709	15 781	15 929	16 213	16 055	15 554	15 446	47 064	46 450	47 923	47 055	(X)
1989 ---	16 394	15 588	15 423	15 766	15 098	15 737	15 309	16 407	15 707	15 724	15 788	16 481	47 405	46 601	47 423	47 993	(X)
1990 ---	16 340	16 161	16 031	15 946	16 816	16 250	16 140	16 631	15 787	16 679	15 262	16 882	48 532	49 012	48 558	48 823	(X)
1991 ---	15 820	17 461	15 376	16 887	16 548	14 989	17 005	16 014	16 496	16 817	17 070	17 571	48 657	48 424	49 515	51 458	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	4.7	2	4.5	1.1	-3.6	-3.7	4.0	-4.8	3.3	1.0	2.3	-3.6	6.3	4	-2.0	1.8	(X)
1983 ---	1.3	3.3	1.3	7	-5	4.3	3.5	4.1	-2.1	6.1	-1.8	-1.0	2.2	3.8	8.3	4.4	(X)
1984 ---	7.5	3.7	-1.6	-1.7	9.7	-7.8	8	2.6	-4.2	-1.6	-2.6	-5	8.1	2.0	-1.3	-5.4	(X)
1985 ---	12.2	-7.4	-3.5	-1	2.5	-9	1.6	-1.8	4.1	2.9	-2.9	9	4.2	-3.8	1.9	3.3	(X)
1986 ---	-2.6	9	-1.0	7	-5.4	11.7	-4.1	-3.2	6.4	-1.6	-6.7	9.9	-2.7	4	1.2	-	(X)
1987 ---	-9.0	4.6	8	3.8	-2.2	6.7	2	-3.4	4.9	-1.3	1.7	12	-2.2	6.6	3.1	2.2	(X)
1988 ---	2.0	-1.7	4.4	-5.7	3.0	7	5	9	1.8	-1.0	-3.1	-7	3.7	-1.3	3.2	-1.8	(X)
1989 ---	6.1	-4.9	-1.1	2.2	-4.2	4.2	-2.7	7.2	-4.3	1	4	4.4	7	-1.7	1.8	1.2	(X)
1990 ---	-9	-1.1	-8	-5	5.5	-3.4	-7	3.0	-5.1	5.6	-8.5	10.6	1.1	1.0	-9	5	(X)
1991 ---	-6.3	10.4	-11.9	9.8	-2.0	-9.4	13.5	-5.8	3.0	1.9	1.5	2.9	-3	-5	2.3	3.9	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
ELECTRICAL TRANSMISSION AND DISTRIBUTION EQUIPMENT AND INDUSTRIAL APPARATUS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 754	1 843	1 904	1 705	1 765	1 565	1 441	1 455	1 691	1 566	1 753	1 637	5 501	5 035	4 587	4 956	20 079
1983 ---	1 414	1 856	1 777	1 738	1 424	1 881	1 422	1 801	2 043	1 709	1 678	1 500	5 047	5 043	5 266	4 887	20 243
1984 ---	1 856	2 107	2 210	1 977	1 884	2 010	1 708	2 052	2 111	1 997	1 877	2 334	6 173	5 871	5 871	6 208	24 123
1985 ---	1 845	1 938	2 222	1 896	1 903	1 881	1 763	2 035	2 037	2 021	1 938	1 947	6 005	5 680	5 835	5 906	23 426
1986 ---	1 957	2 013	2 191	1 854	1 778	1 944	1 835	1 907	2 206	2 012	1 709	1 929	6 161	5 576	5 948	5 650	23 335
1987 ---	1 654	2 016	2 103	1 879	1 786	2 040	1 743	1 925	2 337	1 996	1 974	1 884	5 773	5 705	6 005	5 854	23 337
1988 ---	1 953	2 204	2 387	2 123	2 141	2 290	2 058	2 286	2 428	2 458	2 245	2 203	6 544	6 554	6 772	6 906	26 776
1989 ---	2 472	2 480	2 503	2 316	2 183	2 373	1 916	2 022	2 421	2 084	2 150	2 128	7 455	6 872	6 359	6 362	27 048
1990 ---	2 379	2 470	2 334	2 358	2 269	2 359	2 181	2 377	2 634	2 545	1 922	2 241	7 183	6 986	7 192	6 708	28 069
1991 ---	2 243	2 401	2 383	2 283	2 207	2 333	2 229	2 171	2 374	2 248	2 010	2 262	7 027	6 823	6 774	6 520	27 144
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 774	1 747	1 745	1 681	1 778	1 485	1 656	1 504	1 604	1 621	1 777	1 662	5 266	4 944	4 764	5 060	(X)
1983 ---	1 457	1 787	1 617	1 733	1 444	1 799	1 616	1 846	1 913	1 768	1 709	1 512	4 861	4 976	5 375	4 989	(X)
1984 ---	1 940	2 045	2 010	1 989	1 912	1 909	1 950	2 100	1 933	2 055	1 910	2 347	5 995	5 810	5 983	6 312	(X)
1985 ---	1 942	1 881	2 012	1 925	1 936	1 777	1 986	2 090	1 855	2 070	1 976	1 961	5 835	5 638	5 931	6 007	(X)
1986 ---	2 085	1 949	1 986	1 886	1 817	1 838	2 055	1 958	2 009	2 048	1 747	1 953	6 020	5 541	6 022	5 748	(X)
1987 ---	1 778	1 944	1 924	1 912	1 817	1 928	1 961	1 973	2 126	2 021	2 027	1 913	5 646	5 657	6 060	5 961	(X)
1988 ---	2 116	2 117	2 203	2 150	2 166	2 162	2 292	2 339	2 191	2 491	2 318	2 245	6 436	6 478	6 822	7 054	(X)
1989 ---	2 663	2 362	2 313	2 338	2 203	2 247	2 151	2 075	2 187	2 123	2 231	2 171	7 338	6 788	6 413	6 525	(X)
1990 ---	2 567	2 349	2 142	2 374	2 279	2 218	2 432	2 425	2 387	2 594	2 010	2 286	7 058	6 871	7 244	6 890	(X)
1991 ---	2 416	2 284	2 198	2 292	2 214	2 197	2 466	2 213	2 138	2 299	2 107	2 305	6 898	6 703	6 817	6 711	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-2	-1.5	-1	-3.7	5.8	-16.5	11.5	-9.2	6.6	1.1	9.6	-6.5	1.0	-6.1	-3.6	6.2	(X)
1983 ---	-12.3	22.6	-9.5	7.2	-16.7	24.6	-10.2	14.2	3.6	-7.6	-3.3	-11.5	-3.9	2.4	8.0	-7.2	(X)
1984 ---	28.3	5.4	-1.7	-1.0	-3.9	-2	2.1	7.7	-8.0	6.3	-7.1	22.9	20.2	-3.1	3.0	5.5	(X)
1985 ---	-17.3	-3.1	7.0	-4.3	6	-8.2	11.8	5.2	-11.2	11.6	-4.5	-8	-7.6	-3.4	5.2	1.3	(X)
1986 ---	6.3	-6.5	1.9	-5.0	-3.7	1.2	11.8	-4.7	2.6	1.9	-14.7	11.8	-1.8	-8.0	8.7	-4.5	(X)
1987 ---	-9.0	9.3	-1.0	-6	-5.0	6.1	1.7	6	7.8	-4.9	3	-5.6	-1.8	2	7.1	-1.6	(X)
1988 ---	10.6	-	4.1	-2.4	7	-2	6.0	2.1	-6.3	13.7	-6.9	-3.1	8.0	7	5.3	3.4	(X)
1989 ---	18.6	-11.3	-2.1	1.1	-5.8	2.0	-4.3	-3.5	5.4	-2.9	5.1	-2.7	4.0	-7.5	-5.5	1.7	(X)
1990 ---	18.2	-8.5	-8.8	10.8	-4.0	-2.7	9.6	-3	-1.6	8.7	-22.5	13.7	8.2	-2.6	5.4	-4.9	(X)
1991 ---	5.7	-5.5	-3.8	4.3	-3.4	-8	12.2	-10.3	-3.4	7.5	-8.4	9.4	.1	-2.8	1.7	-1.6	(X)
ELECTRIC LIGHTING AND WIRING EQUIPMENT—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	978	1 077	1 079	1 024	1 009	1 070	921	995	1 045	1 030	1 072	942	3 134	3 103	2 961	3 044	12 242
1983 ---	967	1 100	1 077	1 039	1 062	1 173	1 017	1 178	1 258	1 348	1 283	1 278	3 144	3 274	3 453	3 909	13 780
1984 ---	1 232	1 291	1 303	1 211	1 196	1 280	1 176	1 219	1 416	1 413	1 332	1 319	3 826	3 687	3 811	4 064	15 388
1985 ---	1 161	1 250	1 319	1 247	1 279	1 370	1 293	1 365	1 545	1 495	1 461	1 392	3 730	3 896	4 203	4 348	16 177
1986 ---	1 197	1 423	1 340	1 336	1 363	1 568	1 277	1 347	1 562	1 563	1 575	1 429	3 960	4 267	4 186	4 567	16 980
1987 ---	1 291	1 504	1 379	1 424	1 403	1 587	1 332	1 499	1 713	1 665	1 697	1 626	4 174	4 414	4 544	4 988	18 120
1988 ---	1 501	1 587	1 692	1 499	1 597	1 715	1 418	1 611	1 725	1 747	1 737	1 616	4 780	4 811	4 754	5 100	19 445
1989 ---	1 726	1 704	1 645	1 599	1 634	1 704	814	2 358	1 375	1 671	1 685	1 693	5 075	4 937	4 547	5 049	19 608
1990 ---	1 344	1 739	1 759	1 461	1 648	1 777	1 455	1 590	1 776	1 595	1 667	1 747	4 842	4 886	4 821	5 009	19 558
1991 ---	1 586	1 716	1 575	1 512	1 665	1 660	1 710	1 616	1 784	1 673	1 759	1 844	4 877	4 837	5 110	5 276	20 100
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 046	1 055	1 048	1 082	1 053	1 033	1 048	1 029	963	937	1 009	940	3 149	3 168	3 040	2 886	(X)
1983 ---	1 046	1 081	1 053	1 102	1 108	1 130	1 145	1 218	1 154	1 231	1 203	1 267	3 180	3 340	3 517	3 701	(X)
1984 ---	1 349	1 272	1 284	1 284	1 251	1 226	1 317	1 265	1 298	1 286	1 246	1 298	3 905	3 761	3 880	3 830	(X)
1985 ---	1 285	1 236	1 305	1 322	1 345	1 303	1 449	1 411	1 421	1 356	1 357	1 359	3 826	3 970	4 281	4 072	(X)
1986 ---	1 337	1 411	1 329	1 419	1 434	1 488	1 434	1 386	1 429	1 428	1 468	1 382	4 077	4 341	4 249	4 278	(X)
1987 ---	1 447	1 490	1 367	1 524	1 472	1 494	1 508	1 527	1 575	1 545	1 582	1 569	4 304	4 490	4 610	4 696	(X)
1988 ---	1 682	1 566	1 675	1 608	1 660	1 613	1 621	1 624	1 589	1 654	1 624	1 545	4 923	4 881	4 834	4 823	(X)
1989 ---	1 931	1 674	1 623	1 714	1 683	1 609	1 015	2 354	1 242	1 610	1 575	1 608	5 228	5 006	4 611	4 793	(X)
1990 ---	1 515	1 701	1 732	1 576	1 685	1 692	1 663	1 574	1 642	1 549	1 561	1 652	4 948	4 953	4 879	4 762	(X)
1991 ---	1 776	1 671	1 548	1 637	1 695	1 580	1 928	1 593	1 649	1 633	1 649	1 740	4 995	4 912	5 170	5 022	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	11.5	9	-7	3.2	-2.7	-1.9	1.5	-1.8	-6.4	-2.7	7.7	-6.8	4.2	6	-4.0	-5.1	(X)
1983 ---	11.3	3.3	-2.6	4.7	.5	2.0	1.3	6.4	-5.3	6.7	-2.3	5.3	10.2	5.0	5.3	5.2	(X)
1984 ---	6.5	-5.7	.9	-	-2.6	-2.0	7.4	-3.9	2.6	-9	-3.1	4.2	5.5	-3.7	3.2	-1.3	(X)
1985 ---	-1.0	-3.8	5.6	1.3	1.7	-3.1	11.2	-2.6	7	-4.6	.1	.1	-1	3.8	7.8	-4.9	(X)
1986 ---	-1.6	5.5	-5.8	6.8	1.1	3.8	-3.6	-3.3	3.1	-1	2.8	-5.9	.1	6.5	-2.1	.7	(X)
1987 ---	4.7	3.0	-8.3	11.5	-3.4	1.5	.9	1.3	3.1	-1.9	2.4	-8	6	4.3	2.7	1.9	(X)
1988 ---	7.2	-6.9	7.0	-4.0	3.2	-2.8	.5	2	-2.2	4.1	-1.8	-4.9	4.8	-9	-1.0	-2	(X)
1989 ---	25.0	-13.3	-3.0	5.6	-1.8	-4.4	-36.9	131.9	-47.2	29.6	-2.2	2.1	8.4	-4.2	-7.9	3.9	(X)
1990 ---	-5.8	12.3	1.8	-9.0	6.9	.4	-1.7	-5.4	4.3	-5.7	.8	5.8	3.2	1	-1.5	-2.4	(X)
1991 ---	7.5	-5.9	-7.4	5.7	3.5	-6.8	22.0	-17.4	3.5	-1.0	1.0	5.5	4.9	-1.7	5.3	-2.9	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
COMMUNICATION EQUIPMENT—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 026	2 180	2 642	2 719	2 038	2 353	2 066	2 031	2 555	2 477	2 205	2 478	6 848	7 110	6 652	7 160	27 770
1983 ---	1 924	2 292	2 687	2 230	2 151	2 605	1 898	2 205	2 493	2 461	2 702	2 757	6 903	6 986	6 596	7 920	28 405
1984 ---	2 134	2 749	3 012	2 554	3 201	2 895	2 355	3 036	2 867	2 941	2 828	3 324	7 895	8 650	8 258	9 093	33 896
1985 ---	3 314	3 189	3 420	2 820	2 952	3 476	2 373	2 649	3 522	3 212	2 931	3 230	9 923	9 248	8 544	9 373	37 088
1986 ---	2 698	3 107	3 058	2 511	2 168	3 645	2 494	2 472	3 413	2 769	2 535	3 438	8 863	8 324	8 379	8 742	34 308
1987 ---	2 501	2 471	2 774	2 609	2 293	3 636	2 557	2 250	3 275	2 702	2 925	3 846	7 746	8 538	8 082	9 473	33 839
1988 ---	2 650	2 874	3 599	2 761	2 816	3 350	2 595	3 156	3 474	3 051	3 146	3 505	9 123	8 927	9 225	9 702	36 977
1989 ---	2 313	2 520	2 767	2 239	2 307	3 065	2 749	2 366	3 162	2 263	2 709	3 854	7 600	7 611	8 277	8 826	32 314
1990 ---	2 529	3 130	3 166	2 987	3 039	4 090	2 729	3 080	3 381	3 288	2 744	4 851	8 825	10 116	9 190	10 883	39 014
1991 ---	2 498	3 567	3 090	2 955	2 995	3 599	2 773	2 847	3 777	3 227	3 304	4 637	9 155	9 549	9 397	11 168	39 269
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 232	2 151	2 407	2 703	2 033	2 230	2 348	2 172	2 459	2 503	2 248	2 259	6 790	6 966	6 979	7 010	(X)
1983 ---	2 142	2 265	2 435	2 248	2 162	2 479	2 195	2 338	2 363	2 496	2 733	2 424	6 842	6 889	6 896	7 653	(X)
1984 ---	2 413	2 730	2 710	2 616	3 242	2 753	3 201	2 687	2 992	2 840	2 863	2 863	7 853	8 611	8 613	8 695	(X)
1985 ---	3 728	3 180	3 073	2 947	3 035	3 316	2 806	2 802	3 267	3 284	2 928	2 684	9 981	9 298	8 875	8 896	(X)
1986 ---	3 133	3 125	2 711	2 693	2 279	3 455	2 899	2 616	3 116	2 874	2 507	2 864	8 969	8 427	8 631	8 245	(X)
1987 ---	2 931	2 511	2 443	2 799	2 431	3 388	2 945	2 391	2 961	2 856	2 875	3 228	7 885	8 618	8 297	8 959	(X)
1988 ---	3 113	2 936	3 283	2 951	2 972	3 025	2 971	3 317	3 142	3 266	3 064	2 860	9 332	8 948	9 430	9 190	(X)
1989 ---	2 762	2 575	2 512	2 434	2 459	2 719	3 095	2 512	2 855	2 519	2 613	3 259	7 849	7 612	8 462	8 391	(X)
1990 ---	2 948	3 204	2 948	3 195	3 170	3 713	3 151	3 242	3 056	3 622	2 636	4 215	9 100	10 078	9 449	10 473	(X)
1991 ---	2 933	3 642	2 880	3 151	3 104	3 197	3 227	3 013	3 430	3 582	3 193	3 882	9 455	9 452	9 670	10 657	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	19.4	-3.6	11.9	12.3	-24.8	9.7	5.3	-7.5	13.2	1.8	-10.2	.5	15.5	2.6	2	4	(X)
1983 ---	-5.2	5.7	7.5	-7.7	-3.8	14.7	-11.5	6.5	1.1	5.6	9.5	-11.3	-2.4	7	1	11.0	(X)
1984 ---	-5	13.1	-7	-3.5	23.9	-15.1	-1.0	17.5	-16.1	11.4	-5.1	8	2.6	9.7	-	1.0	(X)
1985 ---	30.2	-14.7	-3.4	-4.1	3.0	9.3	-15.4	-1	16.6	5	-10.8	-8.3	14.8	-6.8	-4.5	2	(X)
1986 ---	16.7	-3	-13.2	-7	-15.4	51.6	-16.1	-9.8	19.1	-7.8	-12.8	14.2	8	-6.0	2.4	-4.5	(X)
1987 ---	2.3	-14.3	-2.7	14.6	-13.1	39.4	-13.1	-18.8	23.8	-3.5	7	12.3	-4.4	9.3	-3.7	8.0	(X)
1988 ---	-3.6	-5.7	11.8	-10.1	.7	1.8	-1.8	11.6	-5.3	3.9	-6.2	-6.7	4.2	-4.1	5.4	-2.5	(X)
1989 ---	-3.4	-6.8	-2.4	-3.1	1.0	10.6	13.8	-18.8	13.7	-11.8	3.8	24.7	-14.6	-3.0	11.2	-8	(X)
1990 ---	-9.5	8.7	-8.0	8.4	-8	17.1	-15.1	2.9	-5.7	18.5	-27.2	59.9	8.4	10.7	-6.3	10.8	(X)
1991 ---	-30.4	24.2	-20.9	9.4	-1.5	3.0	.9	-6.6	13.8	4.4	-10.8	21.6	-9.7	-	2.3	10.2	(X)
ELECTRONIC COMPONENTS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 718	3 032	2 927	3 097	2 990	2 799	2 562	2 592	2 670	2 885	2 788	2 657	8 677	8 886	7 824	8 330	33 717
1983 ---	2 959	2 983	3 252	3 210	3 316	3 076	3 499	3 562	3 489	4 127	3 523	3 459	9 194	9 602	10 550	11 109	40 455
1984 ---	4 065	4 402	4 611	4 600	4 644	4 165	4 039	3 476	3 904	3 382	3 357	2 378	13 078	13 409	11 419	9 117	47 023
1985 ---	3 635	3 825	3 257	3 321	3 166	3 157	3 217	2 769	3 152	3 238	3 369	3 721	10 717	9 644	9 138	10 328	39 827
1986 ---	2 944	3 561	3 849	3 677	3 376	3 551	3 129	2 973	3 243	3 260	3 198	4 190	10 354	10 604	9 327	10 648	40 933
1987 ---	2 942	4 148	4 705	4 389	4 377	4 514	4 534	4 384	4 643	4 646	4 777	4 645	11 795	13 280	13 561	14 068	52 704
1988 ---	4 448	5 299	5 358	4 924	4 729	5 119	4 563	4 088	4 931	4 194	4 219	4 521	15 105	14 772	13 582	12 934	56 393
1989 ---	4 427	5 141	5 116	5 366	4 493	5 280	4 505	4 834	5 317	5 019	4 965	4 928	14 684	15 139	14 656	14 912	59 391
1990 ---	4 851	5 216	5 524	5 249	5 447	4 769	4 417	5 202	4 732	4 955	4 998	4 678	15 591	15 465	14 351	14 631	60 038
1991 ---	4 423	6 124	5 260	6 111	5 215	4 387	4 768	4 911	5 150	4 956	5 753	5 285	15 807	15 713	14 829	15 994	62 343
Seasonally Adjusted—Millions of Dollars																	
1982 ---	2 762	2 781	2 750	2 796	2 889	2 701	2 792	2 747	2 779	2 944	2 882	2 899	8 293	8 386	8 318	8 725	(X)
1983 ---	3 017	2 751	3 031	2 926	3 175	2 985	3 646	3 774	3 636	4 212	3 658	3 746	8 799	9 086	11 056	11 616	(X)
1984 ---	4 170	4 119	4 256	4 223	4 433	4 073	4 166	3 848	4 120	3 483	3 500	2 634	12 545	12 729	12 134	9 617	(X)
1985 ---	3 772	3 534	2 850	3 038	3 039	3 057	3 330	3 098	3 248	3 345	3 486	3 928	10 156	9 134	9 676	10 759	(X)
1986 ---	3 108	3 274	3 452	3 424	3 314	3 420	3 248	3 308	3 272	3 397	3 307	4 369	9 834	10 158	9 828	11 073	(X)
1987 ---	3 150	3 853	4 279	4 130	4 365	4 315	4 745	4 728	4 650	4 828	4 933	4 818	11 282	12 810	14 123	14 579	(X)
1988 ---	4 714	4 894	4 874	4 579	4 793	4 884	4 874	4 426	4 935	4 356	4 342	4 696	14 482	14 256	14 235	13 394	(X)
1989 ---	4 690	4 740	4 672	5 043	4 590	5 032	4 882	5 063	5 279	5 158	5 076	5 137	14 102	14 665	15 224	15 371	(X)
1990 ---	5 103	4 806	5 131	4 899	5 548	4 538	4 856	5 387	4 700	5 064	5 090	4 892	15 040	14 985	14 943	15 046	(X)
1991 ---	4 638	5 755	4 900	5 725	5 344	4 158	5 238	5 066	5 110	5 043	5 851	5 531	15 293	15 227	15 414	16 425	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.0	7	-1.1	1.7	3.3	-6.5	3.4	-1.6	1.2	5.9	-2.1	6	7.9	1.1	-8	4.9	(X)
1983 ---	4.1	-8.8	10.2	-3.5	8.5	-6.0	22.1	3.5	-3.7	15.8	-13.2	2.4	8	3.3	21.7	5.1	(X)
1984 ---	11.3	-1.2	3.3	-8	5.0	-8.1	2.3	-7.6	7.1	-15.5	5	-24.7	8.0	1.5	-4.7	-20.7	(X)
1985 ---	43.2	-6.3	-19.4	6.6	-	6	8.9	-7.0	4.8	3.0	4.2	12.7	5.6	-10.1	5.9	11.2	(X)
1986 ---	-20.9	5.3	5.4	-8	-3.2	3.2	-5.0	1.8	-1.1	3.8	-2.6	32.1	-8.5	3.3	-3.2	12.7	(X)
1987 ---	-27.9	22.3	11.1	-3.5	5.7	-1.1	10.0	-4	-1.6	3.8	2.2	-2.3	1.9	13.5	10.2	3.2	(X)
1988 ---	-2.2	3.8	-4	-6.1	4.7	1.9	-2	-9.2	11.5	-11.7	-3	8.2	-7	-1.6	-1	-5.9	(X)
1989 ---	-1	1.1	-1.4	7.9	-9.0	9.6	-3.0	3.7	4.3	-2.3	-1.6	1.2	5.3	4.0	3.8	1.0	(X)
1990 ---	-7	-5.8	6.8	-4.5	13.2	-18.2	7.0	10.9	-12.8	7.7	5	-3.9	-2.2	-4	-3	7	(X)
1991 ---	-5.2	24.1	-14.9	16.8	-6.7	-22.2	26.0	-3.3	9	-1.3	16.0	-5.5	1.6	-4	1.2	6.6	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
TRANSPORTATION EQUIPMENT, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	16 783	17 453	19 600	18 376	16 676	17 960	14 891	13 160	17 466	18 747	15 410	22 803	53 836	53 012	45 517	56 960	209 325
1983 ---	22 426	17 258	20 943	21 275	18 429	23 732	17 699	18 115	22 735	26 480	25 706	26 561	60 627	63 436	58 549	78 747	261 359
1984 ---	23 808	26 207	32 206	24 244	22 132	24 299	20 598	19 951	22 579	24 249	27 491	27 438	82 221	70 675	63 128	79 178	295 202
1985 ---	24 908	24 910	25 709	24 907	24 455	29 082	21 456	24 374	28 221	28 408	23 501	31 551	75 527	78 444	74 051	83 460	311 482
1986 ---	28 904	28 480	31 940	27 067	25 503	24 729	22 506	21 034	28 815	28 511	28 922	31 130	89 324	77 299	72 355	88 563	327 541
1987 ---	26 334	30 136	33 348	29 823	30 428	29 759	24 861	23 823	27 403	30 073	31 032	31 204	89 818	90 010	76 087	92 309	348 224
1988 ---	30 338	32 645	32 870	32 459	28 425	34 122	25 168	29 193	33 460	36 475	33 083	40 355	95 853	95 006	87 821	109 913	388 593
1989 ---	34 372	34 814	39 977	37 016	31 811	33 337	29 027	29 786	33 843	32 868	37 966	39 609	109 163	102 164	92 656	110 443	414 426
1990 ---	24 335	30 955	39 755	31 882	33 949	33 846	25 870	29 992	34 280	37 637	27 403	33 238	95 045	99 677	90 142	98 278	383 142
1991 ---	26 398	29 803	30 004	27 130	29 178	29 857	29 266	30 521	30 544	33 776	33 514	27 482	86 205	86 165	90 331	94 772	357 473
Seasonally Adjusted—Millions of Dollars																	
1982 ---	17 543	16 993	18 169	17 673	16 718	16 883	17 885	15 812	17 147	17 279	15 585	21 760	52 705	51 274	50 844	54 624	(X)
1983 ---	23 404	16 512	19 138	20 427	18 688	22 547	21 297	21 166	22 650	24 897	25 757	25 379	59 054	61 662	65 113	76 033	(X)
1984 ---	24 726	24 934	29 769	23 258	22 795	23 180	24 968	23 418	22 562	22 757	27 230	25 758	79 429	69 233	70 948	75 745	(X)
1985 ---	25 923	23 360	23 225	23 882	25 082	28 143	26 356	28 120	27 881	27 052	22 593	29 467	72 508	77 107	82 357	79 112	(X)
1986 ---	30 124	26 775	29 425	26 190	26 306	23 943	28 022	24 630	28 026	27 226	27 651	29 483	86 324	76 439	80 678	84 360	(X)
1987 ---	27 859	28 386	30 546	29 224	30 875	28 996	30 275	27 166	25 859	28 722	29 355	29 946	86 791	88 995	83 300	88 023	(X)
1988 ---	32 340	31 167	30 063	32 032	28 341	33 033	31 412	32 600	31 243	34 766	31 406	40 327	93 570	93 406	95 255	106 499	(X)
1989 ---	37 070	33 520	36 826	36 508	31 311	31 959	34 796	33 146	31 157	31 117	36 474	39 498	107 416	99 778	99 099	107 089	(X)
1990 ---	27 054	30 183	36 491	31 694	32 834	32 069	32 731	33 081	31 371	35 503	26 218	32 238	93 728	96 597	97 183	93 959	(X)
1991 ---	29 665	29 528	27 006	26 921	27 978	28 220	36 194	33 352	27 501	31 642	32 415	27 627	86 199	83 119	97 047	91 684	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	30.5	-3.1	6.9	-2.7	-5.4	1.0	5.9	-11.6	8.4	8	-9.8	39.6	16.5	-2.7	-8	7.4	(X)
1983 ---	7.6	-29.4	15.9	6.7	-8.5	20.6	-5.5	-6	7.0	9.9	3.5	-1.5	8.1	4.4	5.6	16.8	(X)
1984 ---	-2.6	8	19.4	-21.9	-2.0	1.7	-7.7	-6.2	-3.7	9	19.7	-5.4	4.5	-12.8	2.5	6.8	(X)
1985 ---	6	-9.9	-6	2.8	5.0	12.2	-6.3	6.7	-8	-3.0	-16.5	30.4	-4.3	6.3	6.8	-3.9	(X)
1986 ---	2.2	-11.1	9.9	-11.0	4	-9.0	17.0	-12.1	13.8	-2.9	1.6	6.6	9.1	-11.5	5.5	4.6	(X)
1987 ---	-5.5	1.9	7.6	-4.3	5.6	-6.4	4.8	-10.3	-4.8	11.1	2.2	2.0	2.9	-2	-6.4	5.7	(X)
1988 ---	8.0	-3.6	-3.5	6.5	-11.5	16.6	-4.9	3.6	-4.2	11.3	-9.7	28.4	6.3	-2	2.0	11.8	(X)
1989 ---	-8.1	-9.6	9.9	-9	-14.2	2.1	8.9	-4.7	-6.0	-1	17.2	8.3	9	-7.1	-7	8.1	(X)
1990 ---	-31.5	11.6	20.9	-13.1	3.6	-2.3	2.1	1.1	-5.2	13.2	-26.2	23.0	-12.5	3.1	5	-3.3	(X)
1991 ---	-8.0	-5	-8.5	-3	3.9	.9	28.3	-7.9	-17.5	15.1	2.4	-14.8	-8.3	-3.6	16.8	-5.5	(X)
AIRCRAFT, MISSILES, SPACE VEHICLES, AND PARTS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 841	7 171	7 695	6 054	4 840	5 187	4 624	4 097	5 362	7 355	5 345	8 694	21 807	16 081	14 083	21 394	73 365
1983 ---	9 331	4 893	7 514	6 982	3 916	8 499	4 787	4 737	7 262	9 555	7 686	11 790	21 738	19 397	16 786	29 031	86 952
1984 ---	6 127	6 818	13 968	6 614	5 022	6 805	6 698	4 823	7 211	6 603	8 940	11 991	26 913	18 441	18 732	27 534	91 620
1985 ---	7 172	6 115	7 020	6 997	5 716	10 404	7 291	8 639	9 358	9 500	5 584	17 093	20 307	23 117	25 288	32 177	100 889
1986 ---	10 349	8 924	10 517	7 432	7 511	5 471	7 350	5 512	10 021	8 774	12 013	14 119	29 790	20 414	22 883	34 906	107 993
1987 ---	7 865	7 999	10 403	8 824	8 899	8 285	10 960	8 121	8 556	9 594	9 943	15 386	26 267	26 008	27 637	34 923	114 835
1988 ---	11 372	11 475	10 467	10 507	6 831	11 997	9 606	11 009	12 232	11 819	11 473	18 110	33 314	29 335	32 847	41 402	136 898
1989 ---	12 638	10 395	17 529	14 086	9 287	11 819	16 045	10 153	12 907	11 020	16 467	19 967	40 562	35 192	39 105	47 454	162 313
1990 ---	10 078	8 770	16 785	9 663	10 032	10 218	10 575	7 809	13 824	13 730	9 696	18 900	35 633	29 913	32 208	42 326	140 080
1991 ---	9 263	12 336	13 290	7 539	6 437	9 633	14 268	9 627	8 886	9 738	12 936	12 263	34 889	23 609	32 781	34 937	126 216
Seasonally Adjusted—Millions of Dollars																	
1982 ---	7 528	6 937	7 255	8 088	5 591	5 133	5 723	5 426	5 211	6 751	5 350	6 252	21 720	16 812	16 360	18 353	(X)
1983 ---	9 925	4 625	6 843	7 014	5 032	8 553	6 060	6 197	7 311	8 964	7 674	8 375	21 393	20 599	19 568	25 013	(X)
1984 ---	6 562	6 646	12 988	6 741	6 639	7 108	8 133	6 384	7 240	6 075	8 768	7 949	26 196	20 488	21 757	22 792	(X)
1985 ---	7 607	6 048	6 065	7 171	7 460	10 775	8 898	10 373	9 185	9 239	4 931	12 566	19 720	25 406	28 456	26 736	(X)
1986 ---	10 897	8 966	9 454	7 873	9 479	5 919	9 012	7 142	9 517	8 773	11 098	9 723	29 317	23 271	25 671	29 594	(X)
1987 ---	8 607	8 123	9 294	9 527	10 652	8 620	12 524	9 719	7 439	9 863	8 750	11 618	26 024	28 798	29 682	30 231	(X)
1988 ---	12 421	11 578	9 241	11 432	8 287	12 215	11 144	12 736	10 689	12 249	10 351	14 796	33 240	31 934	34 569	37 396	(X)
1989 ---	13 956	10 575	15 887	15 064	10 548	11 791	17 656	12 099	10 915	11 408	15 378	16 536	40 418	37 403	40 670	43 322	(X)
1990 ---	11 796	9 056	14 950	10 820	11 144	10 027	12 293	9 868	11 586	14 090	8 824	15 340	35 802	31 991	33 747	38 254	(X)
1991 ---	11 251	12 835	11 290	8 574	7 335	9 307	15 937	11 748	6 565	10 245	12 229	9 289	35 376	25 216	34 250	31 763	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	98.8	-7.9	4.6	-16.1	-8.2	-8.2	11.5	-5.2	-4.0	29.6	-20.8	16.9	57.3	-22.6	-2.7	12.2	(X)
1983 ---	58.7	-53.4	48.0	2.5	-28.3	70.0	-29.1	2.3	18.0	22.6	-14.4	9.1	16.6	-3.7	-5.0	27.8	(X)
1984 ---	-21.6	1.3	95.4	-48.1	-1.5	7.1	14.4	-21.5	13.4	-16.1	44.3	-9.3	4.7	-21.8	6.2	4.8	(X)
1985 ---	-4.3	-20.5	3	18.2	4.0	44.4	-17.4	16.6	-11.5	6	-46.6	154.8	-13.5	28.8	12.0	-6.0	(X)
1986 ---	-13.3	-17.7	5.4	-16.7	20.4	-37.6	52.3	-20.8	33.3	-7.8	26.5	-12.4	9.7	-20.6	10.3	15.3	(X)
1987 ---	-11.5	-5.6	14.4	2.5	11.8	-19.1	45.3	-22.4	-23.5	32.6	-11.3	32.8	-12.1	10.7	3.1	1.8	(X)
1988 ---	6.9	-6.8	-20.2	23.7	-27.5	47.4	-8.8	14.3	-16.1	14.6	-15.5	42.9	10.0	-3.9	8.3	8.2	(X)
1989 ---	-5.7	-24.2	50.2	-5.2	-30.0	11.8	49.7	-31.5	-9.8	4.5	34.8	7.5	8.1	-7.5	8.7	6.5	(X)
1990 ---	-28.7	-23.2	65.1	-27.6	3.0	-10.0	22.6	-19.7	17.4	21.6	-37.4	73.8	-17.4	-10.6	5.5	13.4	(X)
1991 ---	-26.7	14.1	-12.0	-24.1	-14.5	26.9	71.2	-26.3	-44.1	56.1	19.4	-24.0	-7.5	-28.7	35.8	-7.3	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
SHIPBUILDING AND TANKS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 457	1 088	1 077	1 397	452	624	593	510	1 151	916	1 054	5 570	3 622	2 473	2 254	7 540	15 889
1983 ---	2 280	275	731	1 302	1 009	607	1 193	532	1 078	785	2 526	525	3 286	2 918	2 803	3 836	12 843
1984 ---	1 142	2 027	629	823	1 103	475	557	685	841	901	1 952	1 081	3 798	2 401	2 083	3 934	12 216
1985 ---	887	519	453	566	936	996	1 035	203	1 078	520	427	492	1 859	2 498	2 316	1 439	8 112
1986 ---	113	599	3 236	389	277	699	1 393	694	941	241	322	622	3 948	1 365	3 028	1 185	9 526
1987 ---	468	738	2 023	1 398	1 731	1 863	820	566	561	437	2 222	281	3 229	4 992	1 947	2 940	13 108
1988 ---	1 704	920	1 776	1 392	1 722	1 311	1 085	524	684	2 200	928	3 467	4 400	3 425	2 293	6 595	16 713
1989 ---	455	1 524	854	319	1 377	1 618	741	552	790	1 402	782	2 679	2 833	3 314	2 083	4 863	13 093
1990 ---	830	1 913	1 152	1 043	974	969	1 079	2 176	765	1 150	659	2 146	3 895	2 986	4 020	3 955	14 856
1991 ---	1 606	608	922	781	2 332	747	619	1 843	-144	944	346	924	3 136	3 860	2 318	2 214	11 528
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 430	1 110	994	1 367	514	640	536	470	1 119	835	1 166	5 598	3 534	2 521	2 125	7 599	(X)
1983 ---	2 359	270	679	1 313	1 027	617	1 143	515	1 043	721	2 585	468	3 308	2 957	2 701	3 774	(X)
1984 ---	1 237	1 996	590	848	1 095	481	502	674	832	888	1 970	874	3 823	2 424	2 008	3 832	(X)
1985 ---	1 040	506	438	614	926	989	995	200	1 070	521	421	507	1 982	2 529	2 265	1 449	(X)
1986 ---	253	575	3 225	432	220	691	1 340	663	947	263	319	586	4 053	1 343	2 850	1 168	(X)
1987 ---	603	731	2 006	1 451	1 642	1 840	756	554	576	465	2 212	239	3 340	4 933	1 886	2 916	(X)
1988 ---	1 893	916	1 759	1 424	660	1 283	1 067	516	692	2 226	932	3 271	4 568	3 367	2 275	6 429	(X)
1989 ---	627	1 546	845	360	1 325	1 548	618	524	813	1 502	834	2 610	3 018	3 233	1 955	4 946	(X)
1990 ---	1 021	1 995	1 122	1 091	743	854	950	2 146	796	1 281	732	2 130	4 138	2 688	3 892	4 143	(X)
1991 ---	1 837	689	872	803	2 146	652	569	1 841	-133	1 031	409	856	3 398	3 601	2 277	2 296	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	223.5	-22.4	-10.5	37.5	-62.4	24.5	-16.2	-12.3	138.1	-25.4	39.6	380.1	35.9	-28.7	-15.7	257.6	(X)
1983 ---	-57.9	-88.6	151.5	93.4	-21.8	-39.9	85.3	-54.9	102.5	-30.9	258.5	-81.9	-56.5	-10.6	-8.7	39.7	(X)
1984 ---	164.3	61.4	-70.4	43.7	29.1	-56.1	4.4	34.3	23.4	6.7	121.8	-50.6	1.3	-36.6	-17.2	90.8	(X)
1985 ---	6.8	-51.3	-13.8	40.8	50.8	6.8	6	-79.9	435.0	-51.3	-19.2	20.4	-48.3	27.8	-10.4	-36.0	(X)
1986 ---	-50.1	127.3	460.9	-86.6	-49.1	214.1	93.9	-50.5	42.8	-72.2	21.3	83.7	179.7	-66.9	119.7	-60.4	(X)
1987 ---	2.9	21.2	174.4	-27.7	13.2	12.1	-58.9	-26.7	4.0	-19.3	375.7	-89.2	186.0	47.7	-61.8	54.6	(X)
1988 ---	692.1	-51.6	92.0	-17.0	-53.7	94.4	-16.8	-51.6	34.1	221.7	-58.1	251.0	56.7	-26.3	-32.4	182.6	(X)
1989 ---	-80.8	146.6	-45.3	-57.4	268.3	16.8	-60.0	-15.2	55.1	84.7	-44.5	212.7	-53.1	7.1	-39.5	152.9	(X)
1990 ---	-60.9	95.3	-43.8	-2.8	-31.9	14.9	11.3	125.8	-62.9	61.0	-42.9	191.1	-16.3	-35.0	44.8	6.4	(X)
1991 ---	-13.8	-62.5	26.5	-7.8	167.1	-69.6	-12.8	223.7	-107.3	(n)	-60.4	109.3	-18.0	6.0	-36.8	.9	(X)
INSTRUMENTS AND RELATED PRODUCTS, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 197	6 773	8 187	6 905	5 898	7 146	5 945	6 795	7 567	6 614	6 696	7 328	21 157	19 949	20 307	20 638	82 051
1983 ---	6 513	6 781	6 871	6 582	6 557	7 240	6 241	6 389	7 445	7 205	7 028	8 243	20 165	20 379	20 075	22 476	83 095
1984 ---	7 418	7 940	9 203	7 230	8 470	6 587	7 226	8 831	9 054	8 129	7 832	8 942	24 561	24 287	25 111	24 803	98 862
1985 ---	10 165	8 182	9 931	8 184	8 622	9 709	7 514	8 270	9 850	8 311	8 001	9 524	28 278	26 515	25 634	25 836	106 283
1986 ---	8 609	8 708	10 098	7 586	8 024	9 253	7 929	7 809	9 903	9 217	7 755	9 744	27 415	24 863	25 641	26 716	104 635
1987 ---	7 388	8 275	9 221	9 408	8 088	10 250	8 473	8 511	10 844	9 269	8 243	10 084	24 884	27 746	27 828	28 596	109 054
1988 ---	8 020	9 108	9 450	6 848	10 461	8 997	8 346	8 128	10 471	8 993	10 103	13 729	26 578	28 306	26 945	32 825	112 654
1989 ---	8 834	9 770	9 758	8 586	8 935	10 643	7 741	8 205	11 978	10 242	11 285	12 315	28 362	28 164	27 924	33 842	118 292
1990 ---	9 445	9 647	10 935	9 789	10 351	11 017	9 227	9 276	10 765	10 732	9 930	10 448	30 027	31 157	29 268	31 110	121 562
1991 ---	8 674	10 187	9 435	8 776	10 331	10 718	10 015	10 013	10 618	10 779	9 650	10 235	28 296	29 825	30 646	30 664	119 431
Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 379	6 735	7 595	7 095	5 986	6 867	6 746	7 013	7 127	6 610	6 869	7 013	20 709	19 948	20 886	20 492	(X)
1983 ---	6 682	6 687	6 271	6 830	6 648	6 962	7 066	6 601	6 917	7 319	7 317	7 703	19 640	20 440	20 584	22 339	(X)
1984 ---	7 697	7 808	8 398	7 659	8 611	8 251	8 172	9 062	8 337	8 305	8 301	8 134	23 903	24 521	25 571	24 740	(X)
1985 ---	10 595	8 095	8 829	8 775	8 869	9 350	8 573	8 660	8 885	8 406	8 462	8 593	27 519	26 994	26 118	25 461	(X)
1986 ---	9 226	8 671	8 809	8 299	8 398	8 835	9 024	8 382	8 876	9 097	7 965	8 586	26 706	25 532	26 282	25 648	(X)
1987 ---	8 354	8 230	8 155	10 028	8 514	9 692	9 593	9 301	9 852	9 061	9 016	8 756	24 739	28 234	28 746	26 833	(X)
1988 ---	9 257	9 021	8 752	7 459	10 799	8 265	9 510	9 002	9 576	8 765	9 592	12 198	27 030	26 523	28 088	30 555	(X)
1989 ---	10 275	9 777	9 346	9 169	9 181	9 790	8 795	9 146	11 182	10 045	10 705	10 761	29 398	28 140	29 123	31 511	(X)
1990 ---	10 784	9 859	10 584	10 443	10 461	10 132	10 289	10 240	10 071	10 455	9 461	8 855	31 227	31 036	30 600	28 771	(X)
1991 ---	9 879	10 427	9 118	9 487	10 347	9 853	10 956	10 924	10 010	10 482	9 354	8 790	29 424	29 687	31 890	28 626	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	9.6	5.6	12.8	-6.6	-15.6	14.7	-1.8	4.0	1.6	-7.3	3.9	2.1	15.4	-3.7	4.7	-1.9	(X)
1983 ---	-4.7	.1	-6.2	8.9	-2.7	4.7	1.5	-6.6	4.8	5.8	-	5.3	-4.2	4.1	.7	8.5	(X)
1984 ---	-1	1.4	7.6	-8.8	12.4	-4.2	-1.0	10.9	-8.0	-4	-	-2.0	7.0	2.6	4.3	-3.2	(X)
1985 ---	30.3	-23.6	9.1	-6	1.1	5.4	-8.3	1.0	2.6	-5.4	.7	1.5	11.2	-1.9	-3.2	-2.5	(X)
1986 ---	7.4	-6.0	1.6	-5.8	1.2	5.2	2.1	-7.1	5.9	2.5	-12.4	7.8	4.9	-4.4	2.9	-2.4	(X)
1987 ---	-2.7	-1.5	-9	23.0	-15.1	13.8	-1.0	-3.0	5.9	-8.0	-5	-2.9	-3.5	14.1	1.8	-6.7	(X)
1988 ---	5.7	-2.5	-3.0	-14.8	44.8	-23.5	15.1	-5.3	6.4	-8.5	9.4	27.2	.7	-1.9	5.9	8.8	(X)
1989 ---	-15.8	-4.8	-4.4	-1.9	.1	6.6	-10.2	4.0	22.3	-10.2	6.6	.5	-3.8	-4.3	3.5	8.2	(X)
1990 ---	.2	-8.6	7.4	-1.3	.2	-3.2	1.6	-5	-1.6	3.8	-9.5	-6.4	-9	-6	-1.4	-6.0	(X)
1991 ---	11.6	5.5	-12.5	4.0	9.1	-4.8	11.2	-3	-8.4	4.7	-10.8	-6.0	2.3	.9	7.4	-10.2	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
SEARCH AND NAVIGATION EQUIPMENT—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	2 214	2 032	3 076	2 342	1 426	2 233	1 841	2 139	2 328	2 086	2 118	2 817	7 322	6 001	6 308	7 021	26 652
1983	2 080	2 124	2 023	1 993	2 023	1 753	1 629	1 628	2 129	2 174	2 028	2 748	6 227	5 769	5 386	6 950	24 332
1984	2 508	3 016	3 432	1 877	2 710	2 561	2 129	3 250	3 311	2 564	2 341	3 214	8 956	7 148	8 690	8 119	32 913
1985	4 986	2 624	4 231	2 718	3 132	3 527	2 240	2 800	4 279	2 922	2 620	3 452	11 841	9 377	9 319	8 994	39 531
1986	3 334	3 389	4 453	2 415	2 515	3 337	2 664	2 485	3 596	3 372	2 400	3 925	11 176	8 267	8 745	9 697	37 885
1987	2 205	2 627	2 967	3 669	2 382	3 427	2 553	2 733	4 111	3 284	3 342	3 693	7 799	9 478	9 397	10 319	36 993
1988	2 287	2 935	2 537	531	3 982	1 703	1 831	1 819	3 452	2 150	3 356	6 007	7 759	6 216	7 102	11 513	32 590
1989	2 832	3 205	2 314	2 087	1 871	2 605	1 378	1 428	3 316	2 885	4 355	4 932	8 351	6 563	6 122	12 172	33 208
1990	2 464	2 426	3 107	2 884	3 123	3 149	2 503	2 268	3 080	2 855	2 708	3 465	7 997	9 156	7 851	9 028	34 032
1991	1 747	3 111	2 058	1 860	2 910	2 956	2 916	3 082	2 777	2 972	2 382	2 869	6 916	7 726	8 775	8 223	31 640
Seasonally Adjusted—Millions of Dollars																	
1982	2 021	1 954	2 791	2 418	1 458	2 344	2 251	2 275	2 181	2 157	2 257	2 571	6 766	6 220	6 707	6 985	(X)
1983	1 860	1 987	1 706	2 120	2 077	1 872	2 082	1 762	1 877	2 326	2 280	2 319	5 553	6 069	5 721	6 925	(X)
1984	2 369	2 823	2 940	2 143	2 814	2 688	2 693	3 361	2 916	2 757	2 728	2 557	8 132	7 645	8 970	8 042	(X)
1985	4 972	2 474	3 456	3 140	3 343	3 643	2 960	3 037	3 633	3 014	2 993	2 678	10 902	10 126	9 630	8 685	(X)
1986	3 493	3 275	3 500	2 954	2 853	3 414	3 433	2 878	2 924	3 250	2 508	2 936	10 268	9 221	9 235	8 694	(X)
1987	2 731	2 485	2 277	4 099	2 773	3 418	3 332	3 310	3 530	3 042	2 981	2 538	7 493	10 290	10 172	8 561	(X)
1988	3 063	2 744	2 256	930	4 286	1 582	2 574	2 453	3 010	1 911	2 714	4 661	8 063	6 798	8 037	9 286	(X)
1989	3 738	3 074	2 348	2 451	2 104	2 400	1 987	2 098	3 020	2 681	3 646	3 578	9 160	6 955	7 105	9 905	(X)
1990	3 253	2 482	3 229	3 318	3 242	2 903	3 069	2 978	2 867	2 578	2 133	2 067	8 964	9 463	8 914	6 778	(X)
1991	2 406	3 191	2 183	2 332	2 956	2 724	3 331	3 736	2 648	2 673	1 991	1 614	7 780	8 012	9 715	6 278	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	26.4	-3.3	42.8	-13.4	-39.7	60.8	-4.0	1.1	-4.1	4.6	13.9	35.4	-8.1	7.8	4.1	(X)	
1983	-27.7	6.8	-14.1	24.3	-2.0	-9.9	11.2	-15.4	6.5	23.9	-2.0	1.7	-20.5	9.3	-5.7	21.0	(X)
1984	2.2	19.2	4.1	-27.1	31.3	-4.5	2	24.8	-13.2	-5.5	-1.1	-6.3	17.4	-6.0	17.3	-10.3	(X)
1985	94.4	-50.2	39.7	-9.1	6.5	9.0	-18.7	2.6	19.6	-17.0	-7	-10.5	35.6	-7.1	-4.9	-9.8	(X)
1986	30.4	-6.2	6.9	-15.6	-3.4	19.7	6	-16.2	1.6	11.1	-22.8	17.1	18.2	-10.2	2	-5.9	(X)
1987	-7.0	-9.0	-8.4	80.0	-32.3	23.3	-2.5	-7	6.6	-13.8	-2.0	-14.9	-13.8	37.3	-1.1	-15.8	(X)
1988	20.7	-10.4	-17.8	-58.8	360.9	-63.1	62.7	-4.7	22.7	-36.5	42.0	71.7	-5.8	-15.7	18.2	15.5	(X)
1989	-19.8	-17.8	-23.6	4.4	-14.1	14.1	-17.2	5.6	43.9	-11.2	36.0	-1.9	-1.4	-24.1	2.2	39.4	(X)
1990	-9.1	-23.7	30.1	2.8	-2.3	-10.5	5.7	-3.0	-3.7	-10.1	-17.3	-3.1	-9.5	5.6	-5.8	-24.0	(X)
1991	16.4	32.6	-31.6	6.8	26.7	-7.9	22.3	12.2	-29.1	-25.5	-18.9	14.8	3.0	21.3	-35.4	(X)	
MEASURING AND CONTROLLING DEVICES—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	1 532	1 846	1 989	1 715	1 621	1 784	1 459	1 714	1 983	1 567	1 589	1 648	5 367	5 120	5 156	4 804	20 447
1983	1 729	1 780	1 832	1 765	1 679	2 070	1 723	1 747	2 035	1 870	1 846	2 055	5 341	5 514	5 505	5 771	22 131
1984	1 968	1 837	2 221	2 042	2 246	2 302	1 936	2 215	2 263	2 162	2 168	2 301	6 026	6 590	6 414	6 631	25 661
1985	2 064	2 236	2 220	2 159	2 111	2 448	2 009	2 171	2 178	2 084	2 029	2 487	6 520	6 718	6 358	6 600	26 196
1986	2 052	2 046	2 227	1 987	2 128	2 266	1 904	2 072	2 394	2 128	1 878	2 150	6 325	6 381	6 370	6 156	25 232
1987	1 960	2 021	2 304	2 073	2 023	2 440	2 111	2 124	2 379	2 170	2 103	2 344	6 285	6 536	6 614	6 617	26 052
1988	2 210	2 365	2 620	2 391	2 446	2 675	2 474	2 443	2 597	2 595	2 502	2 929	7 195	7 512	7 514	8 026	30 247
1989	2 282	2 160	2 731	2 159	2 600	2 439	2 252	2 584	2 952	2 640	2 538	2 869	7 173	7 198	7 788	8 047	30 206
1990	2 558	2 630	2 918	2 581	2 731	2 802	2 410	2 580	2 597	2 769	2 504	2 586	8 106	8 114	7 587	7 859	31 666
1991	2 457	2 547	2 800	2 386	2 515	2 789	2 312	2 400	2 579	2 664	2 677	2 649	7 804	7 690	7 291	7 990	30 775
Seasonally Adjusted—Millions of Dollars																	
1982	1 619	1 837	1 846	1 759	1 645	1 661	1 639	1 753	1 864	1 568	1 645	1 588	5 302	5 065	5 256	4 801	(X)
1983	1 824	1 771	1 707	1 810	1 700	1 948	1 905	1 779	1 914	1 878	1 914	1 979	5 302	5 458	5 598	5 771	(X)
1984	2 081	1 828	2 083	2 098	2 269	2 157	2 136	2 248	2 125	2 174	2 251	2 212	5 992	6 524	6 509	6 637	(X)
1985	2 189	2 228	2 075	2 217	2 138	2 292	2 189	2 200	2 045	2 098	2 116	2 399	6 492	6 647	6 434	6 613	(X)
1986	2 188	2 048	2 086	2 045	2 155	2 111	2 074	2 093	2 260	2 140	1 962	2 075	6 322	6 311	6 427	6 177	(X)
1987	2 086	2 039	2 153	2 130	2 045	2 287	2 279	2 136	2 237	2 176	2 191	2 280	6 278	6 462	6 652	6 647	(X)
1988	2 343	2 398	2 454	2 456	2 465	2 507	2 665	2 455	2 440	2 592	2 586	2 877	7 195	7 428	7 560	8 055	(X)
1989	2 423	2 208	2 561	2 215	2 612	2 277	2 433	2 598	2 784	2 629	2 619	2 834	7 192	7 104	7 815	8 082	(X)
1990	2 703	2 696	2 731	2 644	2 735	2 625	2 610	2 596	2 442	2 754	2 567	2 563	8 130	8 004	7 648	7 884	(X)
1991	2 584	2 621	2 631	2 450	2 509	2 618	2 513	2 413	2 429	2 647	2 734	2 632	7 836	7 577	7 355	8 013	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	6.0	13.5	.5	-4.7	-6.5	1.0	-1.3	7.0	6.3	-15.9	4.9	-3.5	9.6	-4.5	3.8	-8.7	(X)
1983	14.9	-2.9	-3.6	6.0	-6.1	14.6	-2.2	-6.6	7.6	-1.9	1.9	3.4	10.4	2.9	2.6	3.1	(X)
1984	5.2	-12.2	13.9	7	8.2	-4.9	-1.0	5.2	-5.5	2.3	3.5	-1.7	3.8	8.9	-2	2.0	(X)
1985	-1.0	1.8	-6.9	6.8	-3.6	7.2	-4.5	5	-7.0	2.6	.9	13.4	-2.2	2.4	-3.2	2.8	(X)
1986	-8.8	-6.4	1.9	-2.0	5.4	-2.0	-1.8	9	8.0	-5.3	-8.3	5.8	-4.4	-2	1.8	-3.9	(X)
1987	.5	-2.3	5.6	-1.1	-4.0	11.8	-3	-6.3	4.7	-2.7	.7	4.1	1.6	2.9	2.9	-1	(X)
1988	2.8	2.3	2.3	1	4	1.7	6.3	-7.9	-6	6.2	-2	11.3	8.2	3.2	1.8	6.5	(X)
1989	-15.8	-8.9	16.0	-13.5	17.9	-12.8	6.9	6.8	7.2	-5.6	-4	8.2	-10.7	-1.2	10.0	3.4	(X)
1990	-4.6	-3	1.3	-3.2	3.4	-4.0	-6	-5	-5.9	12.8	-6.8	-2	.6	-1.5	-4.4	3.1	(X)
1991	8	1.4	.4	-6.9	2.4	4.3	-4.0	-4.0	.7	9.0	3.3	-3.7	-6	-3.3	-2.9	8.9	(X)

See footnotes at end of table



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
MEDICAL INSTRUMENTS AND SUPPLIES—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 085	1 326	1 447	1 263	1 217	1 349	1 114	1 304	1 524	1 210	1 227	1 281	3 858	3 829	3 942	3 718	15 347
1983 ---	1 317	1 353	1 391	1 339	1 262	1 560	1 290	1 313	1 516	1 397	1 371	1 522	4 061	4 161	4 119	4 290	16 631
1984 ---	1 458	1 377	1 646	1 508	1 653	1 700	1 422	1 633	1 670	1 600	1 599	1 708	4 481	4 861	4 725	4 907	18 974
1985 ---	1 542	1 673	1 663	1 619	1 592	1 839	1 520	1 640	1 639	1 570	1 533	1 864	4 478	5 050	4 799	4 967	19 694
1986 ---	1 575	1 566	1 706	1 529	1 646	1 751	1 501	1 644	1 920	1 739	1 559	1 806	4 847	4 926	5 065	5 104	19 942
1987 ---	1 700	1 769	2 027	1 875	1 838	2 227	1 953	1 982	2 209	2 017	1 955	2 173	5 496	5 940	6 144	6 145	23 725
1988 ---	1 901	2 030	2 250	2 030	2 074	2 283	2 098	2 077	2 192	2 226	2 145	2 525	6 181	6 387	6 367	6 896	25 831
1989 ---	1 853	2 328	2 326	2 230	2 211	2 990	2 179	2 238	3 257	2 488	2 182	2 217	6 507	7 431	7 674	6 887	28 499
1990 ---	2 586	2 611	2 691	2 349	2 464	2 835	2 571	2 547	2 834	2 899	2 538	2 487	7 888	7 648	7 952	7 924	31 412
1991 ---	2 702	2 660	2 667	2 503	2 796	2 599	2 859	2 714	3 038	3 105	2 614	2 476	8 029	7 898	8 611	8 195	32 733
Seasonally Adjusted—Millions of Dollars																	
1982 ---	1 152	1 316	1 346	1 295	1 236	1 256	1 246	1 334	1 437	1 207	1 270	1 232	3 814	3 787	4 017	3 709	(X)
1983 ---	1 397	1 343	1 297	1 374	1 278	1 467	1 423	1 337	1 431	1 399	1 422	1 463	4 037	4 119	4 191	4 284	(X)
1984 ---	1 547	1 368	1 545	1 548	1 670	1 593	1 561	1 656	1 579	1 607	1 659	1 641	4 460	4 811	4 796	4 907	(X)
1985 ---	1 637	1 664	1 555	1 662	1 610	1 723	1 650	1 661	1 554	1 582	1 595	1 796	4 856	4 995	4 865	4 973	(X)
1986 ---	1 677	1 557	1 602	1 574	1 666	1 634	1 624	1 662	1 835	1 754	1 624	1 736	4 836	4 874	5 121	5 114	(X)
1987 ---	1 806	1 758	1 903	1 928	1 860	2 090	2 090	2 000	2 109	2 038	2 032	2 100	5 467	5 878	6 199	6 170	(X)
1988 ---	2 019	2 013	2 115	2 093	2 097	2 140	2 238	2 099	2 086	2 251	2 223	2 452	6 147	6 330	6 423	6 926	(X)
1989 ---	1 985	2 305	2 186	2 293	2 230	2 853	2 307	2 265	3 147	2 522	2 261	2 148	6 476	7 376	7 719	6 931	(X)
1990 ---	2 724	2 580	2 539	2 423	2 479	2 690	2 711	2 580	2 710	2 944	2 619	2 417	7 843	7 592	8 001	7 980	(X)
1991 ---	2 853	2 624	2 517	2 588	2 804	2 453	3 010	2 747	2 908	3 156	2 695	2 403	7 994	7 845	8 665	8 254	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	7.2	14.2	2.3	-3.8	-4.6	1.6	-8	7.1	7.7	-16.0	5.2	-3.0	13.5	-7	6.1	-7.7	(X)
1983 ---	13.4	-3.9	-3.4	5.9	-7.0	14.8	-3.0	-6.0	7.0	-2.2	1.6	2.9	8.8	2.0	1.7	2.2	(X)
1984 ---	5.7	-11.6	12.9	-7.9	-4.6	-7.9	-4.6	6.1	-4.6	1.8	3.2	-1.1	4.1	7.9	-3	2.3	(X)
1985 ---	-2	1.6	-6.6	6.9	-3.1	7.0	-2.0	7	-6.4	1.8	8	12.6	-1.0	2.9	-2.6	2.2	(X)
1986 ---	-6.6	-7.2	2.9	-1.7	5.8	-1.9	-6	2.3	10.4	-4.4	-7.4	6.9	-2.8	8	5.1	-1	(X)
1987 ---	4.0	-2.7	8.2	-1.3	-3.5	12.4	-	-4.3	5.4	-3.4	-3	3.3	6.9	7.5	5.5	-5	(X)
1988 ---	-3.9	-3	5.1	-1.0	-2	2.1	4.6	-6.2	7.9	-1.2	10.3	-4	3.0	1.5	7.8	(X)	
1989 ---	-19.0	16.1	-5.2	4.9	-2.7	27.9	-19.1	-1.8	38.9	-19.9	-10.3	-5.0	-6.5	13.9	4.7	-10.2	(X)
1990 ---	26.8	-5.3	-1.6	-4.6	2.3	8.5	8	-4.8	5.0	8.6	-11.0	-7.7	13.2	-3.2	5.4	-3	(X)
1991 ---	18.0	-8.0	-4.1	2.8	8.3	-12.5	22.7	-8.7	5.9	8.5	-14.6	-10.8	2	-1.9	10.5	-4.7	(X)
ALL OTHER DURABLE GOODS INDUSTRIES—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	7 078	8 001	8 810	8 077	8 088	8 145	7 477	8 036	8 112	8 082	7 296	6 484	23 889	24 310	23 625	21 862	93 686
1983 ---	7 219	8 201	8 995	9 124	9 358	9 660	8 791	9 499	9 447	9 775	8 829	8 268	24 415	28 142	27 737	26 872	107 166
1984 ---	8 584	10 114	10 419	10 571	10 065	9 823	9 501	9 853	9 653	10 197	8 769	8 675	29 117	30 459	29 007	27 641	116 224
1985 ---	9 674	9 897	10 760	10 133	10 151	10 581	9 226	9 900	9 882	10 031	8 957	8 283	30 331	30 865	29 108	27 271	117 575
1986 ---	9 836	10 260	11 244	11 522	10 735	11 295	9 985	10 874	11 122	11 289	10 030	9 219	31 340	33 552	31 981	30 538	127 411
1987 ---	10 163	11 205	12 439	11 626	11 475	12 217	11 279	12 176	12 689	13 235	11 230	10 402	33 807	35 318	36 144	34 867	140 136
1988 ---	10 815	12 173	12 653	13 119	12 161	12 768	11 331	12 279	12 877	12 796	11 764	11 219	35 641	38 048	36 487	35 779	145 955
1989 ---	12 077	12 524	13 490	13 163	12 917	13 231	11 693	13 094	13 191	13 595	11 948	10 830	38 091	39 311	37 978	36 373	151 753
1990 ---	11 815	12 809	13 577	13 379	13 586	13 602	12 285	13 444	13 261	13 222	11 797	10 385	38 201	40 567	38 990	35 404	153 162
1991 ---	10 809	11 901	12 024	12 973	13 032	12 410	13 190	13 428	13 328	12 224	11 000	34 734	38 744	39 028	36 552	149 058	
Seasonally Adjusted—Millions of Dollars																	
1982 ---	7 768	7 873	8 209	7 573	7 861	7 764	7 880	7 757	7 892	7 738	7 842	7 695	23 850	23 198	23 529	23 275	(X)
1983 ---	7 832	8 047	8 412	8 623	9 003	9 137	9 147	9 169	9 264	9 456	9 505	9 683	24 291	26 763	27 580	28 644	(X)
1984 ---	9 407	9 897	9 525	9 830	9 743	9 352	9 915	9 630	9 560	9 818	9 326	10 126	28 829	28 925	29 105	29 270	(X)
1985 ---	10 768	9 538	9 599	9 586	9 937	10 014	9 707	9 722	9 766	9 544	9 512	9 511	29 905	29 537	29 195	28 567	(X)
1986 ---	10 828	10 166	10 326	10 978	10 501	10 687	10 493	10 643	10 715	10 747	10 764	10 599	31 320	32 166	31 851	32 110	(X)
1987 ---	10 954	11 211	11 516	11 157	11 218	11 596	11 794	11 890	12 145	12 560	12 166	11 952	33 681	33 971	35 829	36 678	(X)
1988 ---	11 629	12 264	11 738	12 526	11 911	12 128	11 863	11 982	12 299	12 041	12 501	13 058	35 631	36 565	36 144	37 600	(X)
1989 ---	13 091	12 601	12 645	12 550	12 606	12 598	12 191	12 740	12 637	12 871	12 753	12 571	38 337	37 754	37 568	38 195	(X)
1990 ---	12 726	12 913	12 917	12 778	13 166	12 924	12 802	13 004	12 687	12 496	12 654	12 002	38 556	38 868	38 493	37 152	(X)
1991 ---	11 662	11 971	11 385	12 398	12 330	12 371	12 981	12 728	12 835	12 605	13 050	12 900	35 018	37 099	38 544	38 555	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	1.1	1.4	4.3	-7.7	3.8	-1.2	1.5	-1.6	1.7	-2.0	1.3	-1.9	3.4	-2.7	1.4	-1.1	(X)
1983 ---	1.8	2.7	4.5	2.5	4.4	1.5	1	2	1.0	2.1	5	1.9	4.4	10.2	3.1	3.9	(X)
1984 ---	-2.9	5.2	-3.8	3.2	-9	-4.0	6.0	-2.9	-7	2.7	-5.0	8.6	6	3	6	6	(X)
1985 ---	6.3	-11.4	6	-1	3.7	8	-3.1	2	5	-2.3	-3	-	2.2	-1.2	-1.2	-2.2	(X)
1986 ---	13.8	-6.1	1.6	6.3	-4.3	1.8	-1.8	1.4	7	3	2	-1.5	9.6	2.7	-1.0	8	(X)
1987 ---	3.3	2.3	2.7	-3.1	5	3.4	1.7	8	2.1	3.4	-3.1	-1.8	4.9	9	5.5	2.4	(X)
1988 ---	-2.7	5.5	-4.3	6.7	-4.9	1.8	-2.2	1.0	2.6	-2.1	3.8	4.5	-2.9	2.6	-1.2	4.0	(X)
1989 ---	3	-3.7	3	-8	4	-1	-3.2	4.5	-8	1.9	-9	-1.4	2.0	-1.5	-5	1.7	(X)
1990 ---	1.2	1.5	-	-1.1	3.0	-1.8	-9	1.6	-2.4	-1.5	1.3	-5.2	9	8	-1.0	-3.5	(X)
1991 ---	-2.8	2.6	-4.9	8.9	-5	3	4.9	-1.9	8	-1.8	3.5	-1.1	-5.7	5.9	3.9	-	(X)

See footnotes at end of table.



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
NONDURABLE GOODS INDUSTRIES, TOTAL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	79 494	84 852	86 031	82 837	84 320	88 273	80 102	84 980	89 468	85 164	82 762	80 637	250 377	255 430	254 550	248 563	1 008 920
1983 ---	78 089	82 744	86 690	83 772	86 082	91 409	83 577	90 303	94 811	91 644	89 872	88 740	247 523	261 263	268 691	270 256	1 047 733
1984 ---	85 880	91 627	95 603	92 640	92 964	96 697	89 305	93 433	97 426	94 156	91 609	91 245	273 110	282 301	280 164	277 010	1 112 585
1985 ---	86 584	92 922	96 882	92 460	94 144	96 898	88 735	93 617	97 476	94 703	93 638	92 140	276 398	283 502	279 828	280 481	1 120 209
1986 ---	88 728	92 282	92 385	90 142	90 317	94 508	85 017	91 832	97 963	93 508	91 379	90 621	273 395	274 967	274 812	275 509	1 098 683
1987 ---	87 748	96 523	89 090	96 300	96 344	102 961	96 216	98 763	106 452	103 137	100 128	98 199	283 361	295 695	302 431	301 464	1 182 951
1988 ---	95 273	101 864	106 234	103 144	103 840	110 922	101 840	108 467	112 945	109 014	107 223	106 207	303 371	317 906	323 252	322 444	1 266 973
1989 ---	103 649	109 812	113 403	111 249	111 835	117 035	105 049	112 518	116 381	113 489	110 450	107 113	326 864	340 119	333 949	331 052	1 331 984
1990 ---	105 830	112 531	117 909	113 405	114 552	119 570	109 309	122 847	127 427	126 522	121 815	113 404	336 270	347 527	359 583	361 741	1 405 121
1991 ---	109 237	114 442	116 682	114 292	117 970	120 162	111 593	119 768	124 335	122 233	118 553	111 278	340 361	352 424	355 694	352 064	1 400 543
Seasonally Adjusted—Millions of Dollars																	
1982 ---	84 697	85 086	83 773	83 946	84 431	84 667	84 047	83 861	84 789	83 271	83 402	82 626	253 556	253 044	252 697	249 299	(X)
1983 ---	83 409	82 940	84 420	84 879	86 199	87 749	87 566	89 181	89 799	89 840	90 819	91 135	250 769	258 827	266 546	271 794	(X)
1984 ---	91 830	91 814	92 914	93 661	93 054	92 930	93 621	92 605	92 168	92 281	92 554	93 623	276 558	279 645	278 394	278 458	(X)
1985 ---	92 481	93 008	94 183	93 254	94 426	93 147	92 819	92 625	92 103	92 579	94 341	94 464	279 672	280 827	277 547	281 384	(X)
1986 ---	94 712	92 345	89 815	90 966	90 916	90 684	89 194	90 928	92 373	91 236	92 091	93 241	276 872	272 566	272 496	276 568	(X)
1987 ---	93 677	96 690	96 372	97 199	97 095	98 891	100 751	98 630	100 520	100 619	100 898	101 421	286 739	293 185	299 901	302 938	(X)
1988 ---	101 467	102 108	103 352	103 991	104 463	106 500	106 821	106 958	106 792	106 206	107 800	110 110	306 927	314 954	320 571	324 116	(X)
1989 ---	110 607	110 486	110 500	112 111	112 310	112 581	110 286	110 670	109 989	110 331	110 654	111 072	331 593	337 002	330 945	332 057	(X)
1990 ---	113 040	113 772	115 064	114 408	114 917	115 161	114 952	120 481	120 370	122 676	121 730	117 744	341 876	344 486	355 803	362 150	(X)
1991 ---	116 687	115 873	113 905	115 346	118 060	115 741	117 427	117 120	117 175	118 315	118 336	116 004	346 465	349 147	351 722	352 655	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.0	.5	-1.5	.2	.6	.3	-.7	-.2	1.1	-1.8	.2	-.9	1.8	-.2	-.1	-1.3	(X)
1983 ---	.9	-.6	1.8	.5	1.6	1.8	-.2	1.8	-.7	-.1	1.1	-.3	.6	3.2	3.0	2.0	(X)
1984 ---	.8	-.1	1.2	.8	-.6	-.1	-.7	-.1	-.5	-.1	-.3	1.2	1.8	1.1	-.4	-.1	(X)
1985 ---	-1.2	.6	1.3	-1.0	1.3	-1.4	-.4	-.2	-.6	.5	1.9	-.1	.4	.4	-1.2	1.4	(X)
1986 ---	-.3	-2.5	-2.7	1.3	-.1	-.3	-1.6	1.9	1.6	-1.2	.9	1.2	-1.6	-1.6	-.1	1.5	(X)
1987 ---	.5	3.2	-.3	.9	-.1	1.8	1.9	-2.1	1.8	-.1	-.3	.5	3.7	2.2	2.3	1.0	(X)
1988 ---	-.1	-.6	1.2	.6	.5	1.9	.3	-.1	-.2	-.5	1.5	2.1	1.3	2.6	1.8	1.1	(X)
1989 ---	.5	-.1	-.1	1.5	.2	.2	-2.0	.3	-.6	-.3	.3	.4	2.3	1.6	-1.8	-.3	(X)
1990 ---	1.8	-.6	1.1	-.6	.4	.2	-.2	4.8	-.1	1.9	-.8	-3.3	3.0	.8	3.3	1.8	(X)
1991 ---	-.9	-.7	-1.7	1.3	2.4	-2.0	1.5	-.3	-.1	1.0	-.1	-2.0	-4.3	.8	.7	.3	(X)
NONDURABLE GOODS WITH UNFILLED ORDERS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	16 721	17 531	18 316	17 486	17 329	17 363	16 120	17 831	18 562	18 227	17 907	17 525	52 568	52 178	52 513	53 659	210 918
1983 ---	17 596	18 339	19 576	19 089	19 021	19 668	18 369	20 083	20 640	20 987	20 263	19 963	55 511	57 778	59 092	61 213	233 594
1984 ---	20 077	21 361	21 608	21 192	21 176	21 719	20 355	21 262	22 344	21 981	21 120	21 198	63 046	64 087	63 961	64 299	255 393
1985 ---	20 725	21 698	22 726	21 346	21 894	22 534	20 643	21 924	23 382	22 672	22 058	22 353	65 149	65 774	65 949	67 083	263 955
1986 ---	21 563	22 798	23 404	22 300	22 289	23 859	21 400	23 691	25 542	24 935	23 919	23 923	67 765	68 778	70 633	72 777	279 953
1987 ---	23 343	25 739	26 083	25 058	24 247	26 338	25 231	25 992	27 140	27 371	25 867	25 682	75 165	75 643	78 363	78 930	308 101
1988 ---	25 305	26 846	27 456	26 719	26 369	27 874	26 036	28 055	29 054	28 248	28 094	28 004	79 607	80 962	83 145	84 346	328 060
1989 ---	27 102	28 813	29 296	28 351	28 117	29 850	26 674	29 402	30 143	29 387	28 925	27 096	85 211	86 318	86 219	85 408	343 156
1990 ---	27 509	29 480	30 578	29 171	28 698	29 773	26 897	30 777	30 729	29 814	29 087	27 495	87 567	87 642	88 403	86 396	350 008
1991 ---	26 751	28 505	29 094	27 663	28 401	28 148	26 967	29 728	30 370	29 719	28 819	27 437	84 350	84 212	87 065	85 975	341 602
Seasonally Adjusted—Millions of Dollars																	
1982 ---	17 393	17 279	17 666	17 407	17 444	17 252	17 262	17 632	17 754	17 585	18 108	18 022	52 338	52 103	52 648	53 715	(X)
1983 ---	18 335	18 141	18 895	19 050	19 174	19 497	19 578	19 902	19 722	20 293	20 574	20 440	55 371	57 721	59 202	61 307	(X)
1984 ---	20 978	21 142	20 733	21 217	21 409	21 444	21 134	21 316	21 218	21 413	21 580	22 580	62 853	64 070	64 054	64 211	(X)
1985 ---	21 623	21 495	21 976	21 477	22 261	22 186	21 837	22 756	22 269	21 897	22 290	22 740	65 094	65 924	65 862	66 927	(X)
1986 ---	22 544	22 582	22 668	22 799	22 783	23 436	22 674	23 514	24 314	24 085	24 109	24 347	67 794	69 018	70 502	72 541	(X)
1987 ---	24 446	25 530	25 212	25 258	24 854	25 932	26 606	25 656	25 795	26 527	26 111	26 406	75 188	76 044	78 057	79 044	(X)
1988 ---	26 439	26 515	26 479	26 949	27 056	27 330	27 553	27 532	27 602	27 406	28 169	28 896	79 433	81 335	82 687	84 471	(X)
1989 ---	28 474	28 571	28 287	28 584	28 798	29 328	28 301	28 647	28 617	28 507	28 871	28 040	85 332	86 710	85 565	85 418	(X)
1990 ---	29 036	29 274	29 546	29 440	29 340	29 269	28 647	29 856	29 126	28 960	28 999	28 524	87 856	88 049	87 629	86 483	(X)
1991 ---	28 257	28 282	28 109	27 930	28 920	27 699	28 765	28 727	28 765	28 914	28 734	28 477	84 648	84 549	86 257	86 125	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.6	-.7	2.2	-1.5	.2	-1.1	.1	2.1	.7	-1.0	3.0	-.5	2.0	-.4	1.0	2.0	(X)
1983 ---	1.7	-1.1	4.2	.8	.7	1.7	.4	1.7	-.9	2.9	1.4	-.7	3.1	4.2	2.6	3.6	(X)
1984 ---	2.6	.8	-1.9	2.3	.9	.2	.7	-2.2	.9	-.5	.9	.8	2.5	1.9	-.1	.2	(X)
1985 ---	.2	-.6	2.2	-2.3	3.7	-.3	-1.6	-.4	2.4	-1.7	1.8	2.0	1.4	1.3	-.1	1.6	(X)
1986 ---	-.9	.2	.4	.6	-.1	2.9	-3.3	3.7	3.4	-.9	.1	1.0	1.3	1.8	2.2	2.9	(X)
1987 ---	.4	4.4	-1.2	.2	-1.6	4.3	2.6	-3.6	.5	2.8	-1.6	1.1	3.6	1.1	2.6	1.3	(X)
1988 ---	-.1	.3	-.1	1.8	.4	1.0	.8	-.1	.3	-.7	2.8	2.6	.5	2.4	1.7	2.2	(X)
1989 ---	-1.5	.3	-1.0	1.0	.7	1.8	-3.5	1.2	-.1	-4	1.3	-2.9	1.0	1.6	-1.3	-.2	(X)
1990 ---	3.6	.8	.9	-.4	-.3	-.2	-2.1	4.2	-2.4	-6	-.1	-1.6	2.9	.2	-.5	-1.3	(X)
1991 ---	-.9	-.1	-.6	-.6	3.5	-4.2	3.8	-.1	-.1	.5	-.6	-.9	-2.1	-.1	2.0	-.2	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
AUTOMOTIVE EQUIPMENT—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 006	4 463	5 214	5 474	5 563	5 899	4 695	4 477	5 243	5 136	4 447	4 140	13 683	16 936	14 415	13 723	58 757
1983 ---	5 116	5 852	6 144	6 343	6 532	7 088	5 583	6 097	7 004	7 728	7 394	6 757	17 112	19 963	18 684	21 879	77 638
1984 ---	7 657	8 174	8 456	8 182	7 864	8 372	6 533	7 109	7 305	8 191	8 036	6 835	24 287	24 418	20 947	23 062	92 714
1985 ---	7 918	8 412	8 721	8 385	8 595	8 505	6 367	7 401	8 713	8 864	8 479	6 804	25 051	25 485	22 481	24 147	97 164
1986 ---	8 697	8 904	8 629	9 297	8 651	9 067	6 761	7 330	8 680	9 386	7 939	7 923	26 230	27 015	22 771	25 248	101 264
1987 ---	8 567	10 176	9 988	9 484	9 448	9 373	6 357	7 254	8 740	9 664	8 933	7 283	28 731	28 305	22 351	25 880	105 267
1988 ---	8 324	9 469	9 832	9 797	10 085	10 082	6 874	8 395	9 501	10 820	9 967	9 048	27 625	29 964	24 770	29 835	112 194
1989 ---	10 101	10 861	10 433	10 929	10 502	9 686	6 132	9 337	9 769	10 071	9 932	8 101	31 395	31 117	25 238	28 104	115 854
1990 ---	6 540	9 739	10 536	9 946	10 923	10 846	7 034	9 599	9 657	10 907	8 300	5 954	26 815	31 715	26 290	25 161	109 981
1991 ---	7 110	7 987	7 553	9 054	9 764	9 156	6 877	8 979	10 070	11 016	9 626	6 946	22 650	27 974	25 926	27 588	104 138
Seasonally Adjusted—Millions of Dollars																	
1982 ---	4 208	4 417	4 754	5 035	5 174	5 363	5 619	5 135	5 152	4 752	4 452	4 868	13 379	15 572	15 906	14 072	(X)
1983 ---	5 363	5 730	5 610	5 823	6 076	6 437	6 715	6 869	6 901	7 254	7 348	7 965	16 703	18 336	20 485	22 567	(X)
1984 ---	7 986	7 831	7 755	7 538	7 326	7 615	7 974	8 032	7 215	7 692	7 963	8 079	23 572	22 479	23 221	23 734	(X)
1985 ---	8 249	7 902	8 012	7 719	7 993	7 802	7 902	8 348	8 580	8 283	8 369	8 042	24 163	23 514	24 830	24 694	(X)
1986 ---	9 069	8 274	7 957	8 577	8 036	8 373	8 567	8 271	8 510	8 684	7 820	9 338	25 300	24 986	25 348	25 842	(X)
1987 ---	8 989	9 465	9 219	8 781	8 771	8 681	8 152	8 066	8 523	8 815	8 768	8 589	27 673	26 233	24 741	26 172	(X)
1988 ---	8 816	8 876	9 114	9 083	9 290	9 343	8 999	9 200	9 200	9 723	9 746	10 806	26 806	27 716	27 399	30 275	(X)
1989 ---	10 832	10 253	9 718	10 139	9 602	8 964	8 097	10 058	9 445	8 937	9 737	9 806	30 803	28 705	27 600	28 480	(X)
1990 ---	7 066	9 275	9 847	9 229	9 921	10 063	9 434	10 166	9 332	9 587	8 108	7 292	26 188	29 213	28 932	24 987	(X)
1991 ---	7 735	7 642	7 085	8 415	8 825	8 521	9 258	9 387	9 733	9 672	9 384	8 556	22 462	25 761	28 378	27 612	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-7.8	5.0	7.6	5.9	2.8	3.7	4.8	-8.6	.3	-7.8	-6.3	9.3	-5.5	16.4	2.1	-11.5	(X)
1983 ---	10.2	6.8	-2.1	3.8	4.3	5.9	4.3	2.3	.5	5.1	1.3	8.4	18.7	9.8	11.7	10.2	(X)
1984 ---	.3	-1.9	-1.0	-2.8	-2.8	3.9	4.7	.7	-10.2	6.6	3.5	1.5	4.5	-4.6	3.3	2.2	(X)
1985 ---	2.1	-4.2	1.4	-3.7	3.5	-2.4	1.3	5.6	2.8	-3.5	1.0	-3.9	1.8	-2.7	5.6	-.5	(X)
1986 ---	12.8	-8.8	-3.8	7.8	-6.3	4.2	2.3	-3.5	2.9	2.0	-9.9	19.4	2.5	-1.2	1.4	1.9	(X)
1987 ---	-3.7	5.3	-2.6	-4.8	-.1	-1.0	-6.1	-1.1	5.7	3.4	-.5	-2.0	7.1	-5.2	-5.7	5.8	(X)
1988 ---	2.6	.7	2.7	-.3	2.3	.6	-3.7	2.2	-.7	5.7	2	10.9	2.4	3.4	-1.1	10.5	(X)
1989 ---	.2	-5.3	-5.2	4.3	-5.3	-6.6	-9.7	24.2	-6.1	-5.4	9.0	7	1.7	-6.8	-3.8	3.2	(X)
1990 ---	-27.9	31.3	6.2	-6.3	7.5	1.4	-6.3	7.8	-8.2	2.7	-15.4	-10.1	-8.0	11.6	-1.0	-13.6	(X)
1991 ---	6.1	-1.2	-7.3	18.8	4.9	-3.4	8.6	1.4	3.7	-6	-3.0	-8.8	-10.1	14.7	10.2	-2.7	(X)
HOME GOODS AND APPAREL—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	9 467	11 558	12 506	10 745	10 938	11 527	10 502	12 139	11 972	11 684	10 891	8 800	33 531	33 210	34 613	31 375	132 729
1983 ---	9 941	11 779	11 770	11 344	11 699	12 232	11 749	13 555	13 042	13 084	12 614	10 581	33 490	35 275	38 346	36 279	143 390
1984 ---	11 862	13 891	13 889	12 656	13 075	12 687	12 386	13 713	13 032	12 610	11 658	10 534	39 642	38 418	39 131	34 802	151 993
1985 ---	12 172	13 347	13 723	11 996	12 275	12 961	12 053	14 203	13 784	13 682	12 782	10 733	39 242	37 232	40 040	37 197	153 711
1986 ---	12 446	13 634	14 359	12 735	12 609	13 887	12 513	14 673	15 120	13 921	13 238	10 481	40 439	39 321	42 306	37 640	159 616
1987 ---	12 242	14 506	14 971	13 017	12 895	13 900	13 331	14 790	15 302	14 733	13 413	10 629	41 719	39 812	43 423	38 775	163 729
1988 ---	12 772	14 968	14 361	13 144	12 727	14 799	13 215	14 945	15 656	14 825	13 925	11 951	42 101	40 670	43 816	40 701	167 288
1989 ---	13 875	14 987	15 533	14 057	13 341	14 779	13 357	15 388	15 818	15 674	14 203	11 832	44 395	42 177	44 563	41 709	172 844
1990 ---	13 179	15 077	15 131	13 378	13 887	15 223	13 644	15 744	16 027	15 518	14 676	11 912	43 387	42 488	45 415	42 106	173 396
1991 ---	12 809	14 775	15 029	14 370	13 981	15 442	14 588	16 802	17 546	17 321	16 140	13 246	42 613	43 793	48 936	46 707	182 049
Seasonally Adjusted—Millions of Dollars																	
1982 ---	10 546	11 055	11 776	10 917	11 261	11 174	11 062	11 008	11 116	10 984	11 065	10 883	33 377	33 352	33 186	32 932	(X)
1983 ---	10 863	11 241	10 996	11 637	11 912	11 888	12 227	12 239	12 202	12 521	12 765	13 017	33 100	35 437	36 668	38 303	(X)
1984 ---	13 013	13 208	12 798	12 839	13 306	12 479	12 908	12 481	12 190	12 148	11 676	13 017	39 019	38 624	37 579	36 841	(X)
1985 ---	13 455	12 459	12 365	12 486	12 675	12 675	12 645	13 047	12 701	12 993	12 766	13 186	38 279	37 836	38 393	38 945	(X)
1986 ---	13 608	12 869	13 248	13 370	13 101	13 532	13 161	13 560	13 754	13 211	13 342	12 913	39 725	40 003	40 475	39 466	(X)
1987 ---	13 252	13 752	13 824	13 660	13 551	13 514	13 901	13 689	13 873	13 944	13 721	13 115	40 828	40 725	41 463	40 780	(X)
1988 ---	13 705	14 183	13 210	13 669	13 545	14 339	13 876	13 924	14 146	13 813	13 991	14 649	41 098	41 553	41 946	42 453	(X)
1989 ---	15 125	14 241	14 458	14 619	14 148	14 250	14 033	14 410	14 345	14 647	14 317	14 283	45 824	43 017	42 788	43 247	(X)
1990 ---	14 254	14 372	14 200	13 881	14 723	14 656	14 361	14 701	14 512	14 415	14 839	14 294	42 826	43 260	43 574	43 548	(X)
1991 ---	14 001	14 133	14 113	14 926	14 832	14 830	15 461	15 665	15 839	16 006	16 185	16 003	42 247	44 588	46 965	48 194	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	2.7	4.8	6.5	-7.3	3.2	-8	-1.0	-5	1.0	-1.2	.7	-1.6	4.7	-1	-5	-8	(X)
1983 ---	-2	3.5	-2.2	5.8	2.4	-.2	2.9	.1	-.3	2.6	1.9	2.0	.5	7.1	3.5	4.5	(X)
1984 ---	-	1.5	-3.1	.3	3.6	-6.2	3.4	-3.3	-2.3	-.3	-3.9	11.5	1.9	-1.0	-2.7	-2.0	(X)
1985 ---	3.4	-7.4	-.8	1.0	1.5	-.2	3.2	-.2	2.7	2.3	-1.7	3.3	3.9	-1.2	1.5	1.4	(X)
1986 ---	3.2	-5.4	2.9	9	-2.0	3.3	-2.7	3.0	1.4	-3.9	1.0	-3.2	2.0	7	1.2	-2.5	(X)
1987 ---	2.6	3.8	.5	-1.2	-.8	-.3	2.9	-1.5	1.3	5	-1.6	-4.4	3.5	-.3	1.8	-1.6	(X)
1988 ---	4.5	3.5	-6.9	3.5	-.9	5.9	-3.2	3	1.6	-2.4	1.3	4.7	8	1.1	9	1.2	(X)
1989 ---	3.2	-5.8	1.5	1.1	-3.2	7	-1.5	2.7	-.5	2.1	-2.3	-.2	3.2	-1.8	-.5	1.1	(X)
1990 ---	-2	.8	-1.2	-2.2	6.1	-.5	-2.0	2.4	-1.3	-.7	2.9	-3.7	-1.0	1.0	7	-.1	(X)
1991 ---	-2.0	9	-.1	5.8	-.6	-.7	4.3	1.3	1.1	1.1	1.1	-1.1	-3.0	5.5	5.3	2.6	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
CONSUMER STAPLES—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	37 965	40 240	40 341	39 262	40 397	42 817	39 017	40 388	43 797	41 222	40 416	40 318	118 546	122 476	123 202	121 956	486 180
1983	37 299	39 221	40 998	38 999	40 397	43 031	39 316	41 825	44 432	41 820	41 428	42 326	117 518	122 427	125 573	125 574	491 092
1984	39 008	41 055	43 398	41 894	42 184	44 446	41 086	42 645	45 337	43 473	42 465	43 710	123 461	128 524	129 068	129 648	510 701
1985	40 055	42 693	44 531	41 782	43 461	45 299	41 297	42 739	45 318	43 041	43 573	44 320	127 279	130 542	129 354	130 934	518 109
1986	41 047	41 787	41 969	39 962	41 426	43 545	39 258	41 753	45 012	42 419	42 159	42 960	124 803	124 933	126 023	127 538	503 297
1987	39 447	42 410	43 771	42 402	43 266	46 531	43 335	44 660	48 710	45 795	45 443	46 008	125 628	132 199	136 705	137 246	531 778
1988	42 604	44 884	47 240	45 313	46 610	49 737	45 175	48 232	50 946	48 102	48 005	48 272	134 728	141 660	144 353	144 379	565 120
1989	45 380	47 564	50 075	48 424	49 977	52 067	46 741	50 144	53 151	51 063	50 679	51 158	143 019	150 468	150 036	152 900	596 423
1990	48 075	50 459	53 194	50 929	52 666	54 589	50 213	55 912	59 627	58 664	57 646	54 707	151 728	158 184	165 752	171 017	646 681
1991	50 189	52 494	54 144	51 727	54 930	56 399	51 210	54 537	57 902	55 959	55 782	53 587	156 827	163 056	163 649	165 328	648 860
Seasonally Adjusted—Millions of Dollars																	
1982	40 687	40 929	39 900	40 650	40 802	40 907	40 635	40 185	41 011	40 481	40 390	39 845	121 516	122 359	121 831	120 716	(X)
1983	39 963	39 832	40 452	40 322	40 738	41 141	40 925	41 677	41 543	41 136	41 463	41 751	120 247	122 201	124 145	124 350	(X)
1984	41 835	41 717	42 769	43 261	42 504	42 558	42 873	42 582	42 344	42 749	42 493	43 110	126 321	128 321	127 799	128 352	(X)
1985	43 017	43 355	43 822	43 080	43 783	43 370	43 060	42 667	42 337	42 315	43 546	43 717	130 194	130 233	128 064	129 578	(X)
1986	43 925	42 490	41 277	41 210	41 758	41 562	41 134	41 673	41 950	41 650	42 119	42 519	127 692	124 530	124 757	126 288	(X)
1987	42 237	43 213	43 091	43 673	43 568	44 410	45 418	44 458	45 455	44 906	45 213	45 645	128 541	131 651	135 331	135 764	(X)
1988	45 635	45 850	46 515	46 652	46 816	47 553	47 440	47 890	47 558	47 109	47 652	48 020	138 000	141 021	142 888	142 781	(X)
1989	48 689	48 761	49 283	49 853	50 135	49 914	49 170	49 719	49 587	49 892	50 166	50 987	146 733	149 902	148 476	151 045	(X)
1990	51 649	51 909	52 352	52 493	52 682	52 451	53 035	55 331	55 628	57 139	56 867	54 677	155 910	157 626	163 994	168 683	(X)
1991	53 940	54 078	53 237	53 301	54 887	54 205	54 193	53 931	53 956	54 505	54 988	53 581	161 255	162 393	162 080	163 074	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	3.8	.6	-2.5	1.9	.4	.3	-.7	-1.1	2.1	-1.3	-.2	-1.3	2.8	.7	-.4	-.9	(X)
1983	.3	-.3	1.6	-.3	1.0	1.0	-.5	1.8	-.3	-1.0	.8	.7	-.4	1.6	1.6	.2	(X)
1984	.2	-.3	2.5	1.2	-1.7	.1	.7	-.7	-.6	1.0	-.6	1.5	1.6	1.6	-.4	-.4	(X)
1985	-.2	.8	1.1	-1.7	1.6	-.9	-.7	-.9	-.8	-.1	2.9	.4	1.4	-.1	-1.7	1.2	(X)
1986	.5	-3.3	-2.9	-.2	1.3	-.5	-1.0	1.3	.7	-.7	1.1	.9	-1.5	-2.5	.2	1.2	(X)
1987	-.7	2.3	-.3	1.4	-.2	1.9	2.3	-2.1	2.2	-1.2	.7	1.0	1.8	2.4	2.8	-.3	(X)
1988	-.1	.5	1.5	.3	.4	1.6	-.2	.9	-.7	-.9	1.2	.8	1.6	2.2	1.3	-.1	(X)
1989	1.4	.1	1.1	1.2	.6	-.4	-1.5	1.1	-.3	.6	.5	1.6	2.8	2.2	-1.0	1.7	(X)
1990	1.3	.5	.9	.3	.4	-.4	1.1	4.3	.5	2.7	-.5	-3.9	3.2	1.1	4.0	2.9	(X)
1991	-1.3	.3	-1.6	.1	3.0	-1.2	-.5	-.5	-.5	1.0	.9	-2.6	-4.4	.7	-.2	.6	(X)
MACHINERY AND EQUIPMENT—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	23 942	25 332	27 679	25 566	22 712	25 369	21 272	20 176	24 274	23 850	21 902	23 334	76 953	73 647	65 722	69 086	285 408
1983	21 795	21 279	25 105	24 466	24 066	28 288	21 909	23 725	28 428	29 053	27 098	28 710	68 179	76 820	74 062	84 861	303 922
1984	27 108	29 934	32 477	29 238	32 037	33 118	27 276	27 472	29 982	30 387	29 963	30 612	89 519	94 933	84 730	90 962	359 604
1985	26 577	32 439	34 440	29 897	30 308	34 432	26 408	28 328	34 557	32 256	29 410	35 901	93 456	94 637	89 293	97 567	374 953
1986	28 122	31 841	33 246	30 361	30 118	33 925	26 435	27 514	32 771	31 955	30 223	34 595	93 209	94 404	86 720	96 773	371 106
1987	28 439	32 413	34 064	32 046	34 289	37 417	31 014	30 093	34 838	33 798	33 809	38 762	94 916	103 752	95 945	106 369	400 982
1988	33 023	37 304	39 326	36 578	35 048	41 343	34 448	37 700	40 482	37 235	38 749	46 080	109 653	112 969	112 630	122 064	457 316
1989	38 227	40 863	43 069	42 126	39 742	46 345	36 442	36 418	41 176	37 458	39 473	48 031	122 159	128 213	114 036	124 962	489 370
1990	34 885	37 603	46 624	38 327	39 245	43 886	37 264	36 388	43 556	45 143	36 285	46 440	119 112	121 458	117 208	127 868	485 646
1991	34 382	37 670	39 432	35 189	35 232	38 530	36 747	34 695	40 329	38 529	40 481	37 320	111 484	108 951	111 771	116 330	448 536
Seasonally Adjusted—Millions of Dollars																	
1982	25 889	25 238	25 569	25 119	22 613	23 193	24 083	22 082	23 386	23 753	22 093	22 107	76 696	70 925	69 551	67 953	(X)
1983	24 149	21 337	22 988	24 180	23 756	25 867	24 926	25 710	27 363	28 893	27 236	27 519	68 474	73 803	77 999	83 648	(X)
1984	29 877	29 893	29 959	28 892	31 642	30 236	30 978	29 807	28 589	30 364	30 072	28 784	89 729	90 770	89 374	89 220	(X)
1985	29 877	32 375	31 616	29 699	29 940	31 338	30 246	30 782	32 877	32 319	29 573	33 866	93 868	90 977	93 905	95 758	(X)
1986	31 767	31 734	30 472	30 257	29 823	30 714	30 248	29 808	30 894	32 052	30 441	32 659	93 973	90 794	90 950	95 152	(X)
1987	32 120	32 344	31 268	32 056	33 999	34 088	35 029	32 280	32 668	33 854	34 101	36 483	95 732	100 143	99 977	104 438	(X)
1988	37 183	37 489	36 224	36 602	34 828	37 545	38 862	40 110	37 980	37 211	39 194	43 727	110 896	108 975	116 952	120 132	(X)
1989	42 682	41 184	39 878	42 040	39 490	42 323	40 677	38 909	38 539	37 386	40 113	45 658	123 744	123 853	118 125	123 157	(X)
1990	39 399	38 262	43 355	38 242	38 614	39 701	41 940	38 795	40 818	45 049	37 043	43 551	121 016	116 557	121 553	125 643	(X)
1991	39 211	38 487	36 351	35 175	34 707	34 403	41 572	36 998	37 639	38 559	41 267	34 716	114 049	104 285	116 209	114 542	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	14.7	-2.5	1.3	-1.8	-10.0	2.6	3.8	-8.3	5.9	1.6	-7.0	.1	5.0	-7.5	-1.9	-2.3	(X)
1983	9.2	-11.6	7.7	5.2	-1.8	8.9	-3.6	3.1	6.4	5.6	-5.7	1.0	.8	7.8	5.7	7.2	(X)
1984	8.6	.1	.2	-3.6	9.5	-4.4	2.5	-3.8	-4.1	6.2	-1.0	-4.3	7.3	1.2	-1.5	-.2	(X)
1985	3.8	.4	-2.3	-6.1	.8	4.7	-3.5	1.8	6.8	-1.7	-8.5	14.5	5.2	-3.1	3.2	2.0	(X)
1986	-6.2	-.1	-4.0	-.7	-1.4	3.0	-1.5	3.6	3.7	-5.0	7.3	-1.9	-3.4	-.2	.2	4.6	(X)
1987	-1.7	.7	-3.3	2.5	6.1	.3	2.8	-7.8	1.2	3.6	.7	7.0	.6	4.6	-.2	4.5	(X)
1988	1.9	.8	-3.4	1.0	-4.8	7.8	3.5	3.2	-5.3	-2.0	5.3	11.6	6.2	-1.7	7.3	2.7	(X)
1989	-2.4	-3.5	-3.2	5.4	-6.1	7.2	-3.9	-4.3	-1.0	-3.0	7.3	13.8	3.0	.1	-4.6	4.3	(X)
1990	-13.7	-2.9	13.3	-11.8	1.0	2.8	5.6	-7.5	5.2	10.4	-17.8	17.6	-1.7	-3.7	4.3	3.4	(X)
1991	-10.0	-1.8	-5.5	-3.2	-1.3	-.9	20.8	-11.0	1.7	2.4	7.0	-15.9	-9.2	-8.6	11.4	-1.4	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual	
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th		
BUSINESS SUPPLIES—NEW ORDERS																		
Not Seasonally Adjusted—Millions of Dollars																		
1982 ---	13 328	13 584	13 728	13 339	13 700	13 745	12 614	13 283	13 924	13 438	13 235	13 136	40 640	40 784	39 821	39 809	161 054	
1983 ---	12 864	13 039	13 582	13 416	13 903	14 337	13 162	14 157	14 741	14 685	14 435	14 579	39 485	41 656	42 060	43 699	166 900	
1984 ---	14 067	14 878	15 036	15 107	15 349	15 710	14 453	15 263	15 777	15 669	15 185	15 316	43 981	46 166	45 493	46 170	181 810	
1985 ---	14 884	15 242	16 083	15 740	16 335	15 805	14 494	15 265	16 133	15 852	15 757	15 861	46 209	47 580	45 892	47 470	187 151	
1986 ---	15 302	15 363	15 288	15 190	15 023	15 295	13 680	15 011	15 974	15 746	15 278	15 445	45 953	45 508	44 665	46 469	182 595	
1987 ---	14 931	15 944	16 446	16 254	16 187	16 999	15 904	16 560	17 378	17 516	17 007	16 882	47 321	49 440	49 842	51 405	198 008	
1988 ---	16 351	16 889	17 652	17 626	17 252	17 875	16 788	17 840	18 582	18 573	18 263	17 888	50 892	52 753	53 210	54 724	211 579	
1989 ---	17 227	18 224	18 598	19 001	18 538	19 038	17 245	18 515	19 308	19 392	18 920	17 827	54 049	56 577	55 068	56 139	221 833	
1990 ---	18 159	18 743	19 666	19 810	19 073	19 674	18 105	20 326	21 191	21 384	20 539	19 010	56 568	58 557	59 622	60 933	235 680	
1991 ---	18 705	19 037	19 229	19 533	19 344	19 158	17 941	19 264	19 883	20 040	19 511	18 202	56 971	58 035	57 088	57 753	229 847	
Seasonally Adjusted—Millions of Dollars																		
1982 ---	13 687	13 621	13 552	13 294	13 477	13 392	13 374	13 359	13 491	13 127	13 313	13 193	40 860	40 163	40 224	39 633	(X)	
1983 ---	13 293	13 065	13 444	13 440	13 712	14 018	13 934	14 210	14 294	14 379	14 564	14 633	39 802	41 170	42 438	43 576	(X)	
1984 ---	14 585	14 909	14 851	15 095	15 123	15 396	15 384	15 363	15 253	15 282	15 274	15 311	44 345	45 614	46 000	45 867	(X)	
1985 ---	15 434	15 303	15 832	15 621	15 927	15 516	15 372	15 332	15 537	15 337	15 737	15 814	46 569	47 064	46 241	46 888	(X)	
1986 ---	15 932	15 446	15 060	15 105	15 057	15 034	14 577	15 076	15 323	15 134	15 184	15 470	46 438	45 196	44 976	45 788	(X)	
1987 ---	15 594	16 073	16 175	16 155	16 295	16 733	16 916	16 570	16 670	16 840	16 892	17 044	47 842	49 183	50 156	50 776	(X)	
1988 ---	17 107	17 053	17 352	17 409	17 422	17 589	17 902	17 802	17 813	17 829	18 077	18 233	51 512	52 420	53 517	54 139	(X)	
1989 ---	18 078	18 452	18 307	18 691	18 669	18 779	18 404	18 437	18 463	18 588	18 658	18 247	54 837	56 139	55 304	55 493	(X)	
1990 ---	19 102	19 048	19 387	19 443	19 208	19 443	19 363	20 188	20 217	20 427	20 238	19 560	57 537	58 094	59 768	60 225	(X)	
1991 ---	19 644	19 402	18 968	19 097	19 388	18 946	19 187	19 087	18 911	19 092	19 161	18 796	58 014	57 431	57 185	57 049	(X)	
Seasonally Adjusted—Percent Change From Previous Period																		
1982 ---	1.6	-5	-5	-1.9	1.4	-6	-1	-1	1.0	-2.7	1.4	-9	1.6	-1.7	.2	-1.5	(X)	
1983 ---	.8	-1.7	2.9	-	2.0	2.2	-6	2.0	.6	.6	1.3	.5	.4	3.4	3.1	2.7	(X)	
1984 ---	-3	2.2	-4	1.6	-2	1.8	-1	-1	-7	2	-1	.2	1.8	2.9	.8	-3	(X)	
1985 ---	.8	-8	3.5	-1.3	2.0	-2.6	-9	-3	1.3	-1.3	2.6	.5	1.5	1.1	-1.7	1.4	(X)	
1986 ---	.7	-3.1	-2.5	.3	-3	-2	-3.0	3.4	1.6	-1.2	.3	1.9	-1.0	-2.7	-5	1.8	(X)	
1987 ---	.8	3.1	.6	-1	9	2.7	1.1	-2.0	.6	1.0	.3	.9	4.5	2.8	2.0	1.2	(X)	
1988 ---	.4	-3	1.8	.3	1	1.0	1.8	-6	.1	1	1.4	.9	1.4	1.8	2.1	1.2	(X)	
1989 ---	-9	2.1	-1.8	2.1	-1	-1	-2.0	1.8	-6	.1	7	4	-2.2	1.3	2.4	-1.5	.3	(X)
1990 ---	4.7	-3	1.8	.3	-1.2	1.2	-4	4.3	.1	1.0	-9	-3.4	3.7	1.0	2.9	.8	(X)	
1991 ---	.4	-1.2	-2.2	.7	1.5	-2.3	1.3	-5	-9	1.0	.4	-1.9	-3.7	-1.0	-4	-2	(X)	
CONSTRUCTION MATERIALS AND SUPPLIES—NEW ORDERS																		
Not Seasonally Adjusted—Millions of Dollars																		
1982 ---	8 213	9 109	10 181	9 477	9 986	10 128	9 509	9 819	9 996	9 675	8 742	7 770	27 503	29 591	29 324	26 187	112 605	
1983 ---	8 861	9 593	10 587	10 254	10 682	11 713	10 421	11 451	11 809	11 780	11 084	10 205	29 041	32 649	33 681	33 069	128 440	
1984 ---	10 228	11 680	12 109	11 852	11 814	12 570	11 464	12 605	12 249	12 386	11 766	10 946	34 017	36 236	36 318	35 098	141 669	
1985 ---	10 489	11 579	12 661	12 409	12 600	13 373	12 130	13 072	13 466	13 172	11 752	10 846	34 329	38 382	38 668	35 770	147 149	
1986 ---	11 277	12 520	12 813	13 400	13 208	14 067	12 589	13 169	13 885	13 579	12 480	11 741	36 610	40 675	39 643	37 800	154 728	
1987 ---	11 279	13 335	13 800	13 736	13 578	14 414	13 631	14 070	14 975	15 102	14 177	13 296	38 414	41 728	42 676	42 575	165 393	
1988 ---	12 483	13 904	15 256	14 843	14 846	15 919	13 867	14 963	15 479	15 329	14 418	13 913	41 643	45 608	44 309	43 660	175 220	
1989 ---	13 766	14 378	15 091	14 962	15 140	15 842	13 553	15 933	15 332	15 616	14 558	13 698	43 235	45 944	44 318	43 772	177 269	
1990 ---	13 219	14 500	15 503	15 227	15 560	16 401	14 607	15 689	15 799	15 373	13 646	12 789	43 222	47 188	46 095	41 808	178 313	
1991 ---	12 079	12 889	13 571	14 081	14 471	15 417	14 571	15 031	15 413	15 232	13 994	13 060	38 539	43 969	45 015	42 286	169 809	
Seasonally Adjusted—Millions of Dollars																		
1982 ---	9 291	9 295	9 752	9 369	9 749	9 367	9 788	9 412	9 417	9 234	8 981	8 805	28 338	28 485	28 617	27 020	(X)	
1983 ---	10 081	9 831	10 232	10 112	10 402	10 805	10 676	10 983	11 102	11 268	11 408	11 520	30 144	31 319	32 761	34 196	(X)	
1984 ---	11 605	12 038	11 728	11 664	11 535	11 565	11 744	12 123	11 495	11 821	12 119	12 338	35 371	34 764	35 362	36 278	(X)	
1985 ---	11 938	11 883	11 905	12 179	12 321	12 306	12 467	12 573	12 631	12 540	12 043	12 077	35 726	36 806	37 671	36 660	(X)	
1986 ---	12 870	12 888	12 465	13 121	12 953	12 967	12 972	12 682	13 001	12 876	12 782	12 954	38 223	39 041	38 655	38 612	(X)	
1987 ---	12 900	13 821	13 439	13 459	13 321	13 328	14 081	13 624	14 065	14 311	14 529	14 665	40 160	40 108	41 770	43 505	(X)	
1988 ---	14 158	14 385	14 863	14 584	14 548	14 721	14 396	14 423	14 538	14 527	14 735	15 343	43 406	43 853	43 357	44 605	(X)	
1989 ---	15 659	14 925	14 696	14 759	14 813	13 587	15 346	14 390	14 756	14 784	15 054	15 054	45 280	44 185	43 323	44 594	(X)	
1990 ---	15 045	15 205	15 124	15 061	15 182	15 100	15 127	14 992	14 844	14 540	13 959	14 006	45 374	45 343	44 963	42 505	(X)	
1991 ---	13 762	13 483	13 217	14 011	14 094	14 157	15 031	14 324	14 450	14 392	14 344	14 416	40 462	42 262	43 805	43 152	(X)	
Seasonally Adjusted—Percent Change From Previous Period																		
1982 ---	-3	-	4.9	-3.9	4.1	-3.9	4.5	-3.8	.1	-1.9	-2.7	-2.0	-4	.5	.5	-5.6	(X)	
1983 ---	14.5	-2.5	4.1	-1.2	2.9	3.9	-1.2	2.9	1.1	1.5	1.2	1.0	11.6	3.9	4.6	4.4	(X)	
1984 ---	.7	3.7	-2.6	1.1	1.1	3	1.5	3.2	-5.2	2.8	2.5	1.8	3.4	-1.7	1.7	2.6	(X)	
1985 ---	-3.2	-5	2	2.3	1.2	1	1.3	9	5	-7	-4.0	.3	-1.5	3.0	2.4	-2.7	(X)	
1986 ---	6.6	1	-3.3	5.3	-1.3	1	-	-2.2	2.5	-1.0	-7	1.3	4.3	2.1	-1.0	-1	(X)	
1987 ---	-4	7.1	-2.8	1	-1.0	1	5.6	-3.2	3.2	1.7	1.5	.9	4.0	-1	4.1	4.2	(X)	
1988 ---	-3.5	1.6	3.3	-1.9	-2	1.2	-2.2	2	8	-1	1.4	4.1	-2	1.0	-1.1	2.9	(X)	
1989 ---	2.1	-4.7	-1.5	4	4	-1.4	-7.0	12.9	-6.2	2.5	2	1.8	1.5	-2.4	-2.0	2.9	(X)	
1990 ---	-1	1.1	-5	-4	8	-5	2	-9	-1.0	-2.0	-4.0	.3	1.7	-1	-8	-5.5	(X)	
1991 ---	-1.7	-2.0	-2.0	6.0	6	4	6.2	-4.7	9	-4	-3	5	-4.8	4.4	3.7	-1.5	(X)	



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	1st	2nd	3rd	4th	
DEFENSE PRODUCTS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 902	7 223	7 589	6 421	4 717	5 585	4 091	4 867	5 919	7 478	5 857	12 903	21 714	16 723	14 877	26 238	79 552
1983 ---	9 847	6 320	7 851	7 676	5 140	7 122	5 669	4 394	7 907	8 623	9 359	11 377	24 018	19 938	17 970	29 359	91 285
1984 ---	6 963	8 471	14 318	5 748	5 611	6 056	5 606	6 576	9 310	7 575	10 971	12 217	29 752	17 415	21 492	30 763	99 422
1985 ---	11 431	6 567	9 208	7 251	7 444	9 988	7 482	8 477	9 787	8 420	7 960	12 514	27 206	24 683	25 746	28 894	106 529
1986 ---	10 561	8 935	13 390	7 421	6 641	6 781	7 849	6 037	10 732	7 242	10 657	12 393	32 886	20 843	24 618	30 292	108 639
1987 ---	6 877	7 315	10 972	9 786	7 846	8 931	7 948	7 486	10 214	9 327	10 744	11 487	25 164	26 563	25 648	31 558	108 933
1988 ---	7 798	8 936	9 360	5 863	7 829	8 093	5 725	5 410	9 396	9 953	9 222	15 655	26 094	21 785	20 531	34 830	103 240
1989 ---	6 843	7 657	11 070	6 892	5 153	7 056	6 070	5 356	11 175	8 249	12 960	12 224	25 570	19 101	22 601	33 433	100 705
1990 ---	6 764	8 123	9 955	6 967	8 163	7 604	5 964	6 628	9 576	7 667	7 545	10 634	24 842	22 734	22 168	25 846	95 590
1991 ---	6 385	7 962	7 490	6 168	8 544	7 729	7 459	8 968	7 163	8 913	6 594	11 925	21 837	22 441	23 590	27 432	95 300
Seasonally Adjusted—Millions of Dollars																	
1982 ---	6 765	6 749	7 121	6 577	5 341	6 034	5 384	6 074	5 652	6 696	6 066	10 927	20 635	17 952	17 110	23 689	(X)
1983 ---	9 613	5 734	7 171	7 883	6 107	7 744	7 228	5 674	7 749	8 029	9 567	8 401	22 518	21 734	20 651	25 997	(X)
1984 ---	6 795	7 917	13 135	6 200	7 075	6 910	7 456	7 862	9 012	7 085	11 071	8 589	27 847	20 185	24 330	26 745	(X)
1985 ---	11 302	6 150	7 857	7 940	9 106	10 941	9 597	9 940	9 053	8 075	7 542	8 480	25 309	27 987	28 590	24 097	(X)
1986 ---	10 552	8 673	11 816	8 502	8 627	7 797	10 006	7 559	9 658	6 903	9 678	8 160	31 041	24 926	27 223	24 741	(X)
1987 ---	7 450	7 089	9 702	11 006	9 668	9 779	9 970	9 215	8 722	9 229	9 016	7 675	24 241	30 453	27 907	25 920	(X)
1988 ---	8 788	8 618	8 469	7 238	9 347	8 745	7 534	7 278	7 699	9 990	7 220	11 942	25 875	25 330	22 511	29 152	(X)
1989 ---	8 260	7 455	10 237	8 286	6 419	7 420	7 729	7 373	9 285	8 262	10 960	8 636	25 952	22 125	24 387	27 858	(X)
1990 ---	8 267	8 140	9 062	8 602	9 197	7 843	7 559	8 752	7 624	7 524	5 834	7 326	25 469	25 642	23 935	20 684	(X)
1991 ---	7 850	8 167	6 571	7 728	9 329	7 923	8 818	11 069	5 221	8 831	5 158	8 791	22 588	24 980	25 108	22 780	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	35.1	-2	5.5	-7.6	-18.8	13.0	-10.8	12.8	-6.9	18.5	-9.4	80.1	35.1	-13.0	-4.7	38.5	(X)
1983 ---	-12.0	-40.4	25.1	9.9	-22.5	26.8	-6.7	-21.5	36.6	3.6	19.2	-12.2	-4.9	-3.5	-5.0	25.9	(X)
1984 ---	-19.1	16.5	65.9	-52.8	14.1	-2.3	7.9	5.4	14.6	-21.4	56.3	-22.4	7.1	-27.5	20.5	9.9	(X)
1985 ---	31.6	-45.6	27.8	1.1	14.7	20.2	-12.3	3.6	-8.9	-10.8	-6.6	12.4	-5.4	10.6	2.2	-15.7	(X)
1986 ---	24.4	-17.8	36.2	-28.0	1.5	-9.6	28.3	-24.5	27.8	-28.5	40.2	-15.7	28.8	-19.7	9.2	-9.1	(X)
1987 ---	-8.7	-4.8	36.9	13.4	-12.2	1.1	2.0	-7.6	-5.3	5.8	-2.3	-14.9	-2.0	25.6	-8.4	-7.1	(X)
1988 ---	14.5	-1.9	-1.7	-14.5	29.1	-6.4	-13.8	-3.4	5.8	29.8	-27.7	65.4	-2	-2.1	-11.1	29.5	(X)
1989 ---	-30.8	-9.7	37.3	-19.1	-22.5	15.6	4.2	-4.6	25.9	-11.0	32.7	-21.2	-11.0	-14.7	10.2	14.2	(X)
1990 ---	-4.3	-1.5	11.3	-5.1	6.9	-14.7	-3.6	15.8	-12.9	-1.3	-22.5	25.6	-8.6	7	-6.7	-13.6	(X)
1991 ---	7.2	4.0	-19.5	17.6	20.7	-15.1	11.3	25.5	-52.8	69.1	-41.6	70.4	9.2	10.6	.5	-9.3	(X)
OTHER MATERIALS, SUPPLIES, AND INTERMEDIATE PRODUCTS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	52 033	55 476	57 739	54 538	54 090	55 164	48 119	50 377	53 626	50 600	48 752	48 885	165 248	163 792	152 122	148 237	629 399
1983 ---	51 364	55 874	58 289	56 039	57 225	61 643	54 650	59 269	62 317	63 836	61 169	61 068	165 527	174 907	176 236	186 073	702 743
1984 ---	64 142	68 087	70 713	67 592	65 431	66 721	60 768	63 301	64 243	63 132	61 765	60 741	202 942	199 744	188 312	185 638	776 636
1985 ---	61 562	66 148	67 321	64 388	63 836	66 919	58 719	62 821	64 331	64 510	61 881	61 275	195 031	195 143	185 871	187 666	763 711
1986 ---	62 390	67 478	66 351	64 287	61 945	65 407	57 054	60 630	66 066	64 430	61 633	63 528	196 219	191 639	183 750	189 591	761 199
1987 ---	61 032	69 536	73 260	70 062	68 480	73 551	66 147	68 270	73 720	73 443	70 451	70 621	203 828	212 093	208 137	214 515	838 573
1988 ---	70 690	76 343	79 932	77 833	77 649	82 077	71 994	77 543	82 215	80 730	77 293	78 055	226 965	237 559	231 752	236 078	932 354
1989 ---	78 942	83 481	85 203	82 537	80 319	84 143	72 528	77 484	81 156	78 979	77 367	74 418	247 626	246 999	231 168	230 764	956 557
1990 ---	74 114	80 519	85 953	81 944	82 667	83 646	73 632	81 777	83 516	83 031	76 945	71 974	240 586	248 257	238 925	231 950	959 718
1991 ---	73 179	77 486	77 783	78 036	79 150	80 153	74 802	79 092	80 740	79 323	76 598	70 412	228 448	237 339	234 634	226 333	926 754
Seasonally Adjusted—Millions of Dollars																	
1982 ---	53 295	53 400	53 657	53 353	53 539	52 595	52 545	51 408	52 603	50 280	50 659	51 259	160 352	159 487	156 556	152 198	(X)
1983 ---	53 033	53 921	54 291	54 863	56 654	58 879	59 143	60 407	61 290	63 645	63 712	64 110	161 245	170 396	180 840	191 467	(X)
1984 ---	66 082	65 534	65 767	66 090	65 036	63 618	65 722	64 849	63 165	62 843	64 217	63 667	197 383	194 744	193 736	190 727	(X)
1985 ---	63 832	63 527	62 478	62 822	63 491	63 842	63 651	64 437	63 043	64 012	64 005	63 968	189 837	190 155	191 131	191 985	(X)
1986 ---	65 006	64 755	61 680	62 841	61 859	62 268	61 982	62 271	64 510	63 719	63 512	66 393	191 441	186 968	188 763	193 624	(X)
1987 ---	63 829	66 933	68 403	68 605	68 318	70 346	71 561	69 920	71 807	72 650	72 417	73 953	199 165	207 269	213 288	219 020	(X)
1988 ---	73 758	73 787	74 732	76 355	77 265	78 320	78 206	79 131	79 763	79 596	79 134	82 228	222 277	231 940	237 100	240 958	(X)
1989 ---	82 576	81 250	79 985	81 084	79 620	80 260	78 656	78 550	78 446	77 481	79 023	78 727	243 811	240 964	235 652	235 231	(X)
1990 ---	77 805	79 060	81 047	80 511	81 637	79 689	80 024	82 346	80 710	81 264	78 528	76 227	237 912	241 837	243 080	236 019	(X)
1991 ---	76 871	76 502	73 380	76 627	77 984	76 234	81 060	79 289	77 954	77 485	78 193	75 065	226 753	230 845	238 303	230 743	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-9	.2	5	-6	.3	-1.8	-1	-2.2	2.3	-4.4	.8	1.2	-1.7	-5	-1.8	-2.8	(X)
1983 ---	3.5	1.7	.7	1.1	3.3	3.9	.4	2.1	1.5	3.8	.1	6	5.9	5.7	6.1	5.9	(X)
1984 ---	3.1	-8	.4	5	-1.6	-2.2	3.3	-1.3	-2.6	-5	2.2	-9	3.1	-1.3	-5	-1.6	(X)
1985 ---	.3	-5	-1.7	6	1.1	6	-3	1.2	-2.2	1.5	-	-1	-5	2	.5	.4	(X)
1986 ---	1.6	-4	-4.7	1.9	-1.6	.7	-5	.5	3.6	-1.2	-3	4.5	-3	-2.3	1.0	2.6	(X)
1987 ---	-3.9	4.9	2.2	.3	-4	3.0	1.7	-2.3	2.7	1.2	-3	2.1	2.9	4.1	2.9	2.7	(X)
1988 ---	-3	-	1.3	2.2	1.2	1.4	-1	1.2	.8	-2	-6	3.9	1.5	4.3	2.2	1.6	(X)
1989 ---	.4	-1.6	-1.6	1.4	-1.8	.8	-2.0	-1	-1	-1.2	2.0	-4	1.2	-1.2	-2.2	-2	(X)
1990 ---	-1.2	1.6	2.5	-.7	1.4	-2.4	.4	2.9	-2.0	.7	-3.4	-2.9	1.1	1.6	.5	-2.9	(X)
1991 ---	.8	-5	-4.1	4.4	1.8	-2.2	6.3	-2.2	-1.7	-6	.9	-4.0	-3.9	1.8	3.2	-3.2	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
NONDEFENSE CAPITAL GOODS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	19 842	21 068	23 032	20 851	17 373	19 597	16 920	15 733	19 044	19 191	17 617	20 287	63 942	57 821	51 697	57 095	230 555
1983 ---	17 186	16 086	19 555	18 875	18 429	21 984	16 654	18 254	22 568	22 468	20 345	23 085	52 827	59 288	57 476	65 898	235 489
1984 ---	21 108	23 268	25 790	22 577	24 993	26 085	21 980	21 644	24 414	23 104	23 387	25 672	70 166	73 655	68 038	72 163	284 022
1985 ---	20 009	26 124	27 506	22 218	22 473	27 230	21 005	22 662	27 652	24 961	22 626	30 078	73 639	71 921	71 319	77 665	294 544
1986 ---	20 883	25 149	26 739	22 408	22 443	26 124	20 621	21 269	25 770	23 961	23 815	28 611	72 771	70 975	67 660	76 387	287 793
1987 ---	21 237	23 952	25 747	24 174	26 058	29 411	25 616	23 986	27 717	25 855	26 664	32 728	70 936	79 643	77 319	85 247	313 145
1988 ---	27 229	29 849	30 929	28 546	26 450	33 371	28 574	32 506	33 877	28 969	30 454	37 995	88 007	88 367	94 957	97 418	368 749
1989 ---	30 697	31 704	34 844	32 756	30 515	37 454	32 547	28 297	32 285	28 473	31 734	41 389	97 245	100 725	93 129	101 596	392 695
1990 ---	28 808	29 216	37 447	29 986	29 387	34 146	30 815	28 184	35 402	34 305	28 189	40 836	95 471	93 519	94 401	103 330	386 721
1991 ---	27 971	30 840	33 240	26 419	26 064	31 285	31 832	27 710	31 663	28 122	32 254	30 940	92 051	83 768	91 205	91 316	358 340
Seasonally Adjusted—Millions of Dollars																	
1982 ---	21 426	20 924	21 256	20 816	17 850	18 005	18 934	17 221	18 193	19 593	17 779	18 115	63 606	56 671	54 348	55 487	(X)
1983 ---	19 159	16 171	17 774	19 097	18 759	20 232	18 738	19 707	21 525	22 891	20 520	20 503	53 104	58 088	59 970	63 914	(X)
1984 ---	23 523	23 404	23 703	22 890	25 371	23 909	24 612	23 294	22 946	23 688	23 498	22 417	70 630	72 170	70 852	69 603	(X)
1985 ---	23 049	26 359	25 079	22 747	22 951	24 771	23 710	24 419	25 883	25 637	22 788	26 715	74 487	70 469	74 012	75 140	(X)
1986 ---	24 300	25 384	24 333	23 096	22 970	23 530	23 110	22 816	23 798	24 741	24 027	25 303	73 947	69 596	69 724	74 071	(X)
1987 ---	24 609	24 272	23 464	24 964	26 635	26 734	28 278	25 510	25 418	26 700	26 911	29 220	72 345	78 333	79 206	82 831	(X)
1988 ---	31 066	30 350	28 341	29 420	27 235	30 212	31 511	34 201	31 207	29 998	30 850	34 105	89 757	86 867	96 919	94 953	(X)
1989 ---	34 627	32 332	32 190	33 589	31 341	34 031	35 349	29 994	29 438	29 450	32 275	37 620	99 149	98 961	94 781	99 345	(X)
1990 ---	32 935	30 197	34 794	30 789	29 926	30 552	33 704	29 861	32 422	35 454	28 865	36 728	97 926	91 267	95 987	101 047	(X)
1991 ---	32 349	31 938	30 547	27 208	26 616	27 558	34 982	29 462	28 762	29 452	33 067	26 968	94 834	81 382	93 206	89 487	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	15.7	-2.3	1.6	-2.1	-14.2	.9	5.2	-9.0	5.6	7.7	-9.3	1.9	4.7	-10.9	-4.1	2.1	(X)
1983 ---	5.8	-15.6	9.9	7.4	-1.8	7.9	-7.4	5.2	9.2	6.3	-10.4	-1	-4.3	9.4	3.2	6.6	(X)
1984 ---	14.7	-5	1.3	-3.4	10.8	-5.8	2.9	-5.4	-1.5	3.2	-8	-4.6	10.5	2.2	-1.8	-1.8	(X)
1985 ---	2.8	14.4	-4.9	-9.3	.9	7.9	-4.3	3.0	6.0	-1.0	-11.1	17.2	7.0	-5.4	5.0	1.5	(X)
1986 ---	-9.3	4.8	-4.1	-5.1	-5	2.4	-1.8	-1.3	4.3	4.0	-2.9	5.3	-1.6	-5.9	.2	6.2	(X)
1987 ---	-2.7	-1.4	-3.3	6.4	6.7	.4	5.8	-9.8	-4	5.0	8	8.6	-2.3	8.3	1.1	4.6	(X)
1988 ---	6.3	-2.3	-6.6	3.8	-7.4	10.9	4.3	8.5	-8.8	-3.9	2.8	10.6	8.4	-3.2	11.6	-2.0	(X)
1989 ---	1.5	-6.6	-4	4.3	-6.7	8.6	3.9	-15.1	-1.9	-	9.6	16.6	4.4	-2	-4.2	4.8	(X)
1990 ---	-12.5	-8.3	15.2	-11.5	-2.8	2.1	10.3	-11.4	8.6	9.4	-18.6	27.2	-1.4	-6.8	5.2	5.3	(X)
1991 ---	-11.9	-1.3	-4.4	-10.9	-2.2	3.5	26.9	-15.8	-2.4	2.4	12.3	-18.4	-6.1	-14.2	14.5	-4.0	(X)
NONDEFENSE CAPITAL GOODS, EXCLUDING AIRCRAFT—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	17 180	18 627	19 259	17 962	15 550	16 958	14 235	14 001	16 583	16 749	15 355	16 722	55 066	50 470	44 819	48 826	199 181
1983 ---	14 083	15 425	18 492	16 655	16 590	18 882	15 035	16 343	20 568	19 608	18 071	20 526	48 000	52 127	51 946	58 205	210 278
1984 ---	18 089	20 028	22 393	19 572	21 624	22 788	18 852	19 431	21 656	20 582	20 936	22 828	60 510	63 984	59 939	64 346	248 779
1985 ---	17 706	24 084	24 719	19 745	20 420	23 553	18 451	19 535	23 250	21 011	21 498	22 662	66 509	63 718	61 236	65 171	256 634
1986 ---	17 974	22 008	22 198	19 287	18 781	23 653	17 723	19 139	22 450	19 128	19 753	22 395	62 180	61 721	59 312	61 276	244 489
1987 ---	17 739	20 615	21 793	20 368	20 387	24 925	19 863	20 042	24 397	21 755	21 932	25 052	60 147	65 680	64 302	68 739	258 868
1988 ---	21 240	23 360	26 165	22 884	22 907	25 872	21 846	24 632	27 313	23 185	23 521	26 431	70 765	71 663	73 791	73 137	289 356
1989 ---	22 037	24 617	26 371	23 429	23 607	30 038	20 233	22 067	27 025	21 902	23 451	27 472	73 025	77 074	69 325	72 825	292 249
1990 ---	22 262	24 444	26 898	23 772	24 092	27 588	22 674	22 916	27 489	25 030	22 893	27 143	73 604	75 452	73 079	75 066	297 201
1991 ---	21 829	23 159	24 711	22 428	23 579	25 918	21 475	22 452	27 272	23 252	23 435	26 091	69 699	71 925	71 199	72 778	285 601
Seasonally Adjusted—Millions of Dollars																	
1982 ---	18 173	18 408	17 718	17 921	16 000	15 637	16 050	15 242	15 843	16 929	15 594	15 148	54 299	49 558	47 135	47 671	(X)
1983 ---	15 412	15 420	16 961	16 865	16 888	17 428	16 970	17 536	19 651	19 893	18 307	18 603	47 793	51 181	54 157	56 803	(X)
1984 ---	19 989	20 075	20 499	19 851	21 965	20 877	21 327	20 799	20 347	20 999	21 092	20 414	60 563	62 693	62 473	62 505	(X)
1985 ---	20 175	24 203	22 536	20 243	20 852	21 366	20 948	20 906	21 657	21 471	21 682	20 390	66 914	62 461	63 511	63 543	(X)
1986 ---	20 594	22 112	20 070	19 925	19 268	21 347	19 974	20 303	20 674	19 621	19 948	20 099	62 776	60 540	60 951	59 668	(X)
1987 ---	20 397	20 797	19 825	21 109	20 913	22 559	22 271	21 224	22 355	22 406	22 151	22 685	61 019	64 581	65 850	67 242	(X)
1988 ---	24 183	23 693	23 947	23 697	23 643	23 090	24 434	25 933	24 967	23 927	23 851	23 590	71 823	70 430	75 334	71 368	(X)
1989 ---	25 061	25 061	24 194	24 210	24 353	27 061	22 621	23 257	24 623	22 591	23 909	24 882	74 316	75 624	70 501	71 382	(X)
1990 ---	25 315	25 170	24 737	24 547	24 542	24 570	25 072	24 025	25 031	25 821	23 417	24 699	75 222	73 659	74 128	73 937	(X)
1991 ---	24 909	23 976	22 608	23 215	24 072	22 844	24 085	23 603	24 929	24 114	24 015	23 518	71 493	70 131	72 617	71 647	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.1	1.3	-3.7	1.1	-10.7	-2.3	2.6	-5.0	3.9	6.9	-7.9	-2.9	-1.3	-8.7	-4.9	1.1	(X)
1983 ---	1.7	.1	10.0	-6	1	3.2	-2.6	3.3	12.1	1.2	-8.0	1.6	.3	7.1	5.8	4.9	(X)
1984 ---	7.5	.4	2.1	-3.2	10.6	-5.0	2.2	-2.5	-2.2	3.2	4	-3.2	6.6	3.5	-4	.1	(X)
1985 ---	-1.2	20.0	-6.9	-10.2	3.0	2.5	-2.0	-2	3.6	-9	1.0	-6.0	7.1	-6.7	1.7	.1	(X)
1986 ---	1.0	7.4	-9.2	-7	-3.3	10.8	-6.4	1.6	1.8	-5.1	1.7	8	-1.2	-3.6	7	-2.1	(X)
1987 ---	1.5	2.0	-4.7	6.5	-9	7.9	-1.3	-4.7	5.3	-.2	-1.1	2.4	2.3	5.8	2.0	2.1	(X)
1988 ---	6.6	-2.0	1.1	-1.0	-.2	-2.3	5.8	6.1	-3.7	-4.2	-.3	-1.1	6.8	-1.9	7.0	-5.3	(X)
1989 ---	6.2	-	-3.5	.1	6	11.1	-16.4	2.8	5.9	-8.3	5.8	4.1	4.1	1.8	-6.8	1.2	(X)
1990 ---	1.7	-6	-1.7	-.8	-	1	2.0	-4.2	4.2	3.2	-9.3	5.5	5.4	-2.1	6	-.3	(X)
1991 ---	-.9	-3.7	-5.7	2.7	3.7	-5.1	5.4	-2.0	5.6	-3.3	-.4	-2.1	-3.3	-1.9	3.5	-1.3	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
DEFENSE CAPITAL GOODS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	7 449	7 317	7 874	6 546	4 815	5 382	4 029	4 962	6 123	7 532	6 010	13 376	22 640	16 743	15 114	26 918	81 415
1983	10 255	6 554	8 761	7 973	4 963	7 727	6 113	4 646	7 976	9 075	9 765	12 297	25 570	20 663	18 735	31 137	96 105
1984	7 236	8 737	14 854	6 160	5 567	6 575	5 963	6 728	9 341	7 599	11 426	13 318	30 827	18 302	22 032	32 343	103 504
1985	11 611	6 763	9 052	7 427	7 428	10 875	7 651	8 711	9 967	8 586	7 806	13 628	27 426	25 730	26 329	30 020	109 505
1986	10 935	9 460	13 763	7 558	6 810	6 860	8 200	5 980	11 115	7 497	10 988	12 706	34 158	21 228	25 295	31 191	111 872
1987	7 041	7 528	11 813	10 076	7 753	9 406	8 128	7 495	10 361	9 615	10 744	11 661	26 382	27 235	25 984	32 020	111 621
1988	8 028	8 754	9 602	6 626	7 827	8 271	5 649	5 262	9 257	10 109	9 138	15 778	26 384	22 724	20 168	35 025	104 301
1989	7 178	7 601	11 723	6 683	4 758	7 134	5 783	5 350	11 097	8 411	12 990	12 297	26 502	18 575	22 230	33 698	101 005
1990	6 470	7 886	9 989	7 033	8 274	7 505	5 662	6 389	9 579	7 868	7 527	10 723	24 345	22 812	21 630	26 118	94 905
1991	6 318	7 988	7 415	6 070	8 512	7 808	7 321	8 708	6 930	8 671	6 397	11 522	21 721	22 390	22 959	26 590	93 660
Seasonally Adjusted—Millions of Dollars																	
1982	7 221	6 920	7 397	6 703	5 554	5 791	5 366	6 192	5 933	6 742	6 221	11 202	21 538	18 048	17 491	24 165	(X)
1983	9 963	6 031	8 014	8 185	6 086	8 287	7 731	5 993	7 902	8 468	10 061	9 014	24 008	22 558	21 626	27 543	(X)
1984	7 033	8 244	13 548	6 603	7 233	7 358	7 863	8 132	9 143	7 064	11 678	9 337	28 825	21 194	25 138	28 079	(X)
1985	11 470	6 388	7 524	8 090	9 318	11 735	9 817	10 315	9 349	8 166	7 517	9 272	25 382	29 143	29 481	24 955	(X)
1986	10 942	9 222	11 970	8 608	9 064	7 765	10 429	7 664	10 159	7 057	10 093	8 179	32 134	25 437	28 252	25 329	(X)
1987	7 617	7 340	10 298	11 278	9 843	10 124	10 228	9 392	8 965	9 430	9 051	7 707	25 255	31 245	28 585	26 188	(X)
1988	8 996	8 470	8 495	7 970	9 550	8 808	7 547	7 316	7 630	10 022	7 179	11 996	25 961	26 328	22 493	29 197	(X)
1989	8 520	7 425	10 651	8 043	6 212	7 373	7 551	7 539	9 277	8 330	10 979	8 564	26 996	21 628	24 367	27 873	(X)
1990	7 870	7 927	8 867	8 664	9 472	7 659	7 411	8 672	7 688	7 624	5 798	7 306	24 664	25 795	23 771	20 728	(X)
1991	7 685	8 240	6 274	7 627	9 448	7 926	8 825	10 960	5 059	8 462	4 946	8 425	22 199	25 001	24 844	21 833	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	45.4	-4.2	6.9	-9.4	-17.1	4.3	-7.3	15.4	-4.2	13.6	-7.7	80.1	42.7	-16.2	-3.1	38.2	(X)
1983	-11.1	-39.5	32.9	2.1	-25.6	36.2	-6.7	-22.5	31.9	7.2	18.8	-10.4	-6	-6.0	-4.1	27.4	(X)
1984	-22.0	17.2	64.3	-51.3	9.5	1.7	6.9	3.4	12.4	-22.7	65.3	-20.0	4.7	-26.5	18.6	11.7	(X)
1985	22.8	-44.3	17.8	7.5	15.2	25.9	-16.3	5.1	-9.4	-12.7	-7.9	23.3	-9.6	14.8	1.2	-15.4	(X)
1986	18.0	-15.7	29.8	-28.1	5.3	-14.3	34.3	-26.5	32.6	-30.5	43.0	-19.0	28.8	-20.8	11.1	-10.3	(X)
1987	-6.9	-3.6	40.3	9.1	-12.7	2.9	1.0	-8.2	-4.5	5.2	-4.0	-14.8	-3	23.7	-8.5	-8.4	(X)
1988	16.7	-5.8	3	-6.2	19.8	-7.8	-14.3	-3.1	4.3	31.3	-28.4	67.1	-9	1.4	-14.6	29.8	(X)
1989	-29.0	-12.9	43.5	-24.5	-22.8	18.7	2.4	-2	23.1	-10.2	31.8	-22.0	-8.9	-18.7	12.7	14.4	(X)
1990	-8.1	7	11.9	-2.3	9.3	-19.1	-3.2	17.0	-11.3	-8	-23.9	26.0	-11.5	4.6	-7.8	-12.8	(X)
1991	5.2	7.2	-23.9	21.6	23.9	-16.1	11.3	24.2	-53.8	67.3	-41.5	70.3	7.1	12.6	-6	-12.1	(X)
DURABLE GOODS, EXCLUDING CAPITAL GOODS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982	49 071	53 748	58 040	54 588	55 595	56 982	48 768	49 851	54 116	51 196	47 853	44 986	160 859	167 165	152 735	144 035	624 794
1983	51 557	57 573	59 320	57 917	60 170	64 334	56 115	61 270	64 325	67 422	64 599	61 481	168 450	182 421	181 710	193 502	726 083
1984	66 811	72 538	74 149	70 892	69 841	70 323	62 324	66 879	66 054	68 564	65 387	60 676	213 498	211 056	195 257	194 627	814 438
1985	66 874	70 618	72 848	69 743	70 509	72 279	61 559	67 316	70 994	71 547	67 524	62 408	210 340	212 531	199 869	201 479	824 219
1986	69 296	73 571	73 158	72 545	70 051	74 482	62 301	67 036	73 392	73 711	67 425	67 128	216 025	217 078	202 729	208 264	844 096
1987	66 788	77 632	80 622	76 237	75 744	79 338	67 707	71 939	79 347	80 771	76 441	72 380	225 042	231 319	218 993	229 592	904 946
1988	73 515	82 230	86 194	82 681	83 929	87 361	72 023	78 793	86 178	87 475	83 027	80 882	241 939	253 971	236 994	251 384	984 288
1989	82 837	88 898	89 102	88 240	85 604	87 333	68 189	82 409	87 122	86 129	82 818	76 490	260 837	261 177	237 720	245 437	1 005 171
1990	73 827	85 130	91 217	86 104	89 871	90 648	74 677	84 643	86 541	88 992	78 051	68 457	250 174	266 723	245 861	235 500	998 258
1991	71 312	77 030	76 894	81 377	82 970	82 729	73 449	81 184	86 118	87 307	81 522	70 958	225 236	246 976	240 751	239 787	952 750
Seasonally Adjusted—Millions of Dollars																	
1982	51 024	51 774	53 655	52 849	54 121	53 562	54 143	51 389	52 913	49 701	49 617	49 944	156 453	160 532	158 445	149 262	(X)
1983	53 827	55 549	54 976	56 099	58 313	60 511	61 739	62 888	63 218	65 926	66 663	68 264	164 352	174 923	187 845	200 853	(X)
1984	69 392	69 585	68 597	68 425	67 889	66 180	68 943	69 068	65 006	66 951	67 155	67 518	207 574	202 494	203 017	201 624	(X)
1985	70 104	67 199	67 101	67 455	68 541	68 137	68 594	69 767	69 424	69 492	68 935	68 699	204 404	204 133	207 785	207 126	(X)
1986	72 845	70 178	67 857	70 313	68 264	70 268	69 914	69 491	71 270	71 195	68 667	73 683	210 880	208 845	210 675	213 545	(X)
1987	70 468	74 388	74 987	73 954	73 918	75 130	75 771	74 290	76 880	77 800	77 797	78 821	219 843	223 002	226 941	234 418	(X)
1988	77 621	79 313	80 291	80 211	81 813	82 635	81 336	81 283	83 068	83 572	83 920	88 737	237 225	244 659	245 687	256 229	(X)
1989	88 147	86 279	83 220	85 728	83 033	82 537	77 167	84 599	83 796	81 838	83 850	84 142	257 646	251 298	245 562	249 830	(X)
1990	78 742	83 375	85 649	83 600	86 848	85 574	84 776	86 257	83 205	84 192	79 023	75 154	247 766	256 022	254 238	238 369	(X)
1991	76 293	75 843	72 195	79 100	79 922	77 994	83 346	82 207	82 707	82 313	82 331	78 527	224 331	237 016	248 260	243 171	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982	-2.8	1.5	3.6	-1.5	2.4	-1.0	1.1	-5.1	3.0	-6.1	-2	.7	-1.9	2.6	-1.3	-5.8	(X)
1983	7.8	3.2	-1.0	2.0	3.9	3.8	2.0	1.9	.5	4.3	1.1	2.4	10.1	6.4	7.4	6.9	(X)
1984	1.7	3	-1.4	.3	-8	-2.5	4.2	2	-5.9	3.0	.3	.5	3.3	-2.4	.3	-7	(X)
1985	3.8	-4.1	-1	5	1.6	-6	7	1.7	-5	-1	-8	-3	1.4	-1	1.8	-3	(X)
1986	6.0	-3.7	-3.3	3.6	-2.9	2.9	-5	-6	2.6	-1	-3.6	7.3	1.8	-1.0	.9	1.4	(X)
1987	-4.4	5.6	.8	-1.4	-	1.6	9	-2.0	3.5	1.2	-	1.3	2.9	1.4	1.8	3.3	(X)
1988	-1.5	2.2	1.2	-1	2.0	1.0	-1.6	-1	2.2	.6	.4	5.7	1.2	3.1	.4	4.3	(X)
1989	-7	-2.1	-3.5	3.0	-3.1	-6	-6.5	9.6	-9	-2.3	2.5	.3	.6	-2.5	-2.3	1.7	(X)
1990	-6.4	5.9	2.7	-2.4	3.9	-1.5	-9	1.7	-3.5	1.2	-6.1	-4.9	-8	3.3	-7	-6.2	(X)
1991	1.5	-6	-4.8	9.6	1.0	-2.4	6.9	-1.4	6	-5	-	-4.6	-5.9	5.7	4.7	-2.0	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
PRODUCERS' DURABLE EQUIPMENT--NEW ORDERS																	
Not Seasonally Adjusted--Millions of Dollars																	
1982 ---	46 245	48 606	54 395	49 541	47 255	50 426	42 665	41 450	48 580	46 523	42 613	43 306	149 246	147 222	132 695	132 442	561 605
1983 ---	44 007	45 997	52 049	49 961	50 483	56 874	45 797	50 289	57 345	59 257	55 934	56 201	142 053	157 318	153 431	171 392	624 194
1984 ---	57 725	62 706	66 148	60 654	63 109	65 459	54 909	57 632	60 047	61 932	60 680	59 830	186 579	189 222	172 588	182 442	730 831
1985 ---	57 387	68 356	69 115	61 477	62 387	67 766	53 933	59 225	67 943	65 080	61 556	64 885	192 868	181 630	181 101	191 521	757 120
1986 ---	59 980	65 925	66 860	63 076	62 473	68 814	54 460	58 057	66 891	68 224	81 344	85 005	192 785	194 383	179 408	192 573	759 109
1987 ---	59 607	69 045	71 281	65 933	68 359	73 157	58 904	61 622	70 324	89 066	67 721	89 187	199 933	207 449	190 850	205 854	804 186
1988 ---	64 495	74 719	77 903	72 747	72 096	79 879	64 910	71 088	78 509	78 418	76 478	81 983	217 117	224 722	214 507	234 879	891 225
1989 ---	74 785	80 482	83 084	80 089	76 927	83 919	62 198	72 333	79 814	75 045	75 729	81 619	238 361	240 935	214 345	232 393	926 034
1990 ---	66 594	74 868	86 526	74 892	78 574	84 007	69 175	73 111	81 605	85 102	70 273	75 647	227 988	237 473	223 891	231 022	920 374
1991 ---	66 623	71 047	73 362	71 057	72 662	74 450	65 088	70 525	80 020	79 321	77 171	68 494	211 032	218 189	215 633	224 986	869 820
Seasonally Adjusted--Millions of Dollars																	
1982 ---	49 152	47 641	49 880	48 283	46 531	46 777	48 464	44 388	47 101	45 712	43 448	44 065	146 673	141 591	139 953	133 225	(X)
1983 ---	47 221	45 003	47 621	48 985	49 397	52 799	52 012	53 394	55 680	58 352	56 786	57 767	139 845	151 181	161 066	172 905	(X)
1984 ---	61 762	61 017	60 676	59 348	61 922	60 667	62 531	61 429	58 005	61 124	61 214	60 880	183 455	181 937	161 965	183 218	(X)
1985 ---	62 413	64 169	63 072	60 529	61 265	62 702	62 033	63 230	65 310	64 147	61 214	65 524	189 609	184 496	190 573	191 645	(X)
1986 ---	65 317	63 691	61 248	62 268	61 450	63 607	62 882	61 862	63 710	65 141	61 741	66 029	190 256	187 325	188 454	192 911	(X)
1987 ---	64 987	66 841	65 439	65 349	67 293	67 917	67 674	65 238	66 570	67 579	68 193	69 714	197 267	200 559	199 482	205 486	(X)
1988 ---	70 600	73 103	71 715	72 059	70 978	74 036	74 764	74 924	74 041	74 209	76 881	83 334	215 418	217 073	223 729	234 424	(X)
1989 ---	81 716	79 124	76 815	79 166	75 558	77 911	71 457	76 047	75 221	72 655	76 462	82 910	237 655	232 635	222 725	232 027	(X)
1990 ---	73 121	74 340	80 388	74 043	76 514	77 718	79 562	76 344	76 980	82 298	71 257	75 958	227 849	228 275	232 886	229 513	(X)
1991 ---	73 583	71 066	67 777	70 291	70 749	68 411	75 670	73 423	75 428	76 523	78 110	69 654	212 426	209 451	224 521	224 287	(X)
Seasonally Adjusted--Percent Change From Previous Period																	
1982 ---	9.0	-3.1	4.7	-3.2	-3.6	5	3.6	-8.4	6.1	-2.9	-5.0	1.4	3.6	-3.5	-1.2	-4.8	(X)
1983 ---	7.2	-4.7	5.8	2.9	6.9	6.9	-1.5	2.7	4.2	4.8	-2.7	1.7	5.0	8.1	6.5	7.4	(X)
1984 ---	6.9	-1.2	-6	-2.2	4.3	-2.0	3.1	-1.8	-5.6	5.4	1	-5	6.1	-8	-	7	(X)
1985 ---	2.5	2.8	-1.8	-4.0	1.2	2.3	-1.1	1.9	3.3	-1.8	-3.4	5.7	3.5	-2.7	3.3	6	(X)
1986 ---	-3	-2.5	-3.8	1.7	-1.3	3.5	-1.1	-1.6	3.0	2.2	-5.2	6.9	-7	-1.5	6	2.4	(X)
1987 ---	-1.6	2.9	-2.1	-1	3.0	9	-4	-3.6	2.0	1.5	9	2.2	2.3	1.7	-5	3.0	(X)
1988 ---	1.3	3.5	-1.9	5	-1.5	4.3	1.0	2	-1.2	2	3.6	8.4	4.8	8	3.1	4.8	(X)
1989 ---	-1.9	-3.2	-2.9	3.1	-4.6	3.1	-8.3	6.4	-1.1	-3.4	5.2	8.4	1.4	-2.1	-4.3	4.2	(X)
1990 ---	-11.8	1.7	8.1	-7.9	3.3	1.6	2.4	-4.0	8	6.9	-13.4	6.6	-1.8	2	2.0	-1.4	(X)
1991 ---	-3.1	-3.4	-4.6	3.7	7	-3.3	10.6	-3.0	2.7	1.5	2.1	-10.8	-7.4	-1.4	7.2	-1	(X)
HOUSEHOLD DURABLE GOODS--NEW ORDERS																	
Not Seasonally Adjusted--Millions of Dollars																	
1982 ---	4 229	4 870	5 616	4 741	4 902	4 914	4 310	4 766	5 003	4 649	4 281	3 774	14 715	14 557	14 079	12 704	56 055
1983 ---	4 360	4 976	5 359	5 094	5 499	5 371	4 909	5 601	5 198	5 068	4 836	4 653	14 695	15 964	15 708	14 557	60 924
1984 ---	5 344	6 085	6 140	5 755	6 160	5 451	5 279	5 819	5 346	5 124	4 459	4 744	17 569	17 366	16 444	14 327	65 706
1985 ---	6 338	5 867	6 385	5 281	5 578	5 820	4 943	5 467	5 818	5 497	5 179	4 731	18 590	16 679	16 228	15 407	66 904
1986 ---	5 865	5 843	6 592	5 739	5 724	6 297	5 231	6 284	6 809	6 045	5 488	4 832	18 300	17 760	18 324	16 365	70 749
1987 ---	5 571	5 935	6 822	5 500	5 786	6 086	5 250	5 897	6 372	6 072	5 572	4 663	18 328	17 372	17 519	16 307	69 526
1988 ---	5 916	6 554	6 490	6 028	5 855	6 298	5 250	6 270	6 931	6 274	6 143	5 460	18 960	18 181	18 451	17 877	73 489
1989 ---	6 528	6 611	7 371	6 587	6 160	6 611	5 620	6 584	6 990	6 847	6 260	5 715	20 510	19 358	19 194	18 822	77 884
1990 ---	6 227	6 694	7 328	6 301	6 267	6 906	5 724	6 514	7 110	6 622	6 483	5 671	20 249	19 474	19 348	18 776	77 847
1991 ---	5 870	6 484	6 957	6 699	6 407	6 730	5 992	7 131	7 666	7 405	6 884	6 058	19 311	19 836	20 789	20 347	80 283
Seasonally Adjusted--Millions of Dollars																	
1982 ---	4 467	4 571	5 097	4 558	4 812	4 688	4 732	4 529	4 759	4 667	4 752	4 582	14 135	14 058	14 020	14 001	(X)
1983 ---	4 398	4 683	4 813	5 013	5 291	5 137	5 272	5 251	5 044	5 271	5 317	5 561	13 894	15 441	15 567	16 149	(X)
1984 ---	5 466	5 743	5 313	5 539	5 923	5 330	5 697	5 533	5 211	5 351	4 772	5 683	16 522	16 792	16 441	15 806	(X)
1985 ---	6 739	5 358	5 296	5 355	5 490	5 621	5 448	5 336	5 498	5 534	5 470	5 556	17 393	16 466	16 282	16 560	(X)
1986 ---	6 096	5 541	5 754	5 917	5 644	6 048	5 795	6 125	6 290	6 061	5 848	5 693	17 391	17 609	18 210	17 602	(X)
1987 ---	5 641	5 613	5 943	5 646	5 817	5 852	5 798	5 785	5 870	6 060	6 023	5 409	17 197	17 315	17 453	17 492	(X)
1988 ---	6 030	6 275	5 590	6 035	6 021	6 059	5 907	6 199	6 357	6 111	6 383	6 384	17 895	18 115	18 463	18 878	(X)
1989 ---	6 800	6 275	6 489	6 592	6 316	6 362	6 307	6 540	6 457	6 697	6 551	6 522	19 564	19 270	19 304	19 770	(X)
1990 ---	6 390	6 373	6 578	6 256	6 439	6 652	6 458	6 440	6 552	6 385	6 773	6 357	19 341	19 347	19 450	19 515	(X)
1991 ---	6 150	6 226	6 232	6 645	6 621	6 441	6 855	7 022	7 030	7 082	7 111	6 937	18 608	19 707	20 907	21 130	(X)
Seasonally Adjusted--Percent Change From Previous Period																	
1982 ---	-2.5	2.3	11.5	-10.6	5.6	-2.6	9	-4.3	5.1	-1.9	1.8	-3.6	1.4	-5	-3	-1	(X)
1983 ---	-4.0	6.5	2.8	4.2	5.5	-2.9	2.6	-4	-3.9	4.5	9	4.6	-8	11.1	8	3.7	(X)
1984 ---	-1.7	5.1	-7.5	4.3	6.9	-10.0	6.9	-2.9	-5.8	2.7	-10.8	19.1	2.3	1.6	-2.1	-3.9	(X)
1985 ---	18.6	-20.5	-1.2	1.1	2.5	2.4	-3.1	-2.1	3.0	7	-1.2	1.6	10.0	-5.3	-1.1	1.7	(X)
1986 ---	9.7	-9.1	3.8	2.8	-4.6	7.2	-4.2	5.7	2.7	-3.6	-3.5	-2.7	5.0	1.3	3.4	-3.3	(X)
1987 ---	-9	-5	5.9	-5.0	3.0	6	-9	-2	1.5	3.2	-6	-10.2	-2.3	7	8	2	(X)
1988 ---	11.5	4.1	-10.9	8.0	-2	6	-2.5	4.9	2.5	-3.9	4.5	-	2.3	1.2	1.9	2.2	(X)
1989 ---	6.5	-7.7	3.4	1.6	-4.2	7	-9	3.7	-1.3	3.7	-2.2	-4	3.6	-1.5	2	2.4	(X)
1990 ---	-2.0	-3	3.2	-4.9	2.9	3.3	-2.9	-3	1.7	-2.5	6.1	-6.1	-2.2	-	5	3	(X)
1991 ---	-3.3	1.2	1	6.6	-4	-2.7	6.4	2.4	1.7	7	4	-2.4	-4.6	5.9	6.1	1.1	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1st	2nd	3rd	4th	
INFORMATION TECHNOLOGY INDUSTRIES—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	7 639	8 873	9 977	10 456	8 107	9 096	7 281	7 485	9 664	8 975	8 692	11 236	26 489	27 659	24 430	28 903	107 481
1983 ---	7 557	7 987	10 616	9 230	8 607	11 585	7 999	8 537	11 429	9 901	10 333	12 700	26 160	29 422	27 965	32 934	116 481
1984 ---	9 236	10 459	12 257	10 783	12 274	13 058	9 214	11 067	12 272	11 328	12 602	13 593	31 952	36 115	32 553	37 523	138 143
1985 ---	9 806	14 424	13 658	10 159	11 366	14 207	9 348	10 692	13 393	11 637	11 563	13 722	37 888	35 732	33 433	36 922	143 975
1986 ---	9 072	12 119	12 074	9 670	10 037	14 757	9 605	10 631	13 668	10 491	11 342	14 062	33 265	34 464	33 904	35 895	137 528
1987 ---	9 591	11 123	12 413	10 789	10 886	15 114	10 698	10 434	14 152	11 449	12 060	15 151	33 127	36 789	35 284	38 660	143 860
1988 ---	11 332	12 316	14 631	12 046	12 664	14 607	11 348	13 090	15 087	12 334	12 879	16 135	38 279	39 317	39 525	41 348	158 469
1989 ---	10 329	11 905	14 118	10 939	11 894	14 717	10 460	12 071	15 714	11 605	12 642	16 529	36 352	37 550	38 245	40 776	152 923
1990 ---	10 570	12 342	14 663	11 878	12 678	15 453	11 471	11 688	15 770	13 054	12 231	15 527	37 575	40 009	38 929	40 812	157 325
1991 ---	10 813	12 753	13 932	11 351	12 725	15 136	10 961	11 911	14 660	12 452	13 174	15 124	37 498	39 212	37 532	40 750	154 992
Seasonally Adjusted—Millions of Dollars																	
1982 ---	8 594	9 250	9 247	10 555	8 302	8 119	8 659	8 318	9 089	9 263	8 483	9 412	27 091	26 976	26 066	27 158	(X)
1983 ---	8 684	8 363	9 779	9 516	8 823	10 393	9 600	9 315	10 693	10 259	10 171	10 579	26 826	28 732	29 608	31 009	(X)
1984 ---	10 754	10 912	11 215	11 231	12 625	11 480	11 196	11 980	11 180	11 790	12 450	11 100	32 881	35 336	34 356	35 340	(X)
1985 ---	11 743	14 880	12 386	10 825	11 785	12 355	11 322	11 529	12 018	12 190	11 455	11 315	39 009	34 965	34 869	34 960	(X)
1986 ---	11 030	12 558	10 821	10 534	10 480	12 790	11 356	11 379	12 103	11 040	11 271	11 789	34 409	33 804	34 838	34 100	(X)
1987 ---	11 702	11 604	11 167	11 756	11 360	13 096	12 569	11 203	12 302	12 146	12 052	12 796	34 473	36 212	36 074	36 994	(X)
1988 ---	13 624	12 952	13 130	13 187	13 248	12 242	13 369	13 954	12 944	13 078	12 934	13 673	39 706	38 677	40 267	39 685	(X)
1989 ---	12 654	12 610	12 601	12 064	12 434	12 291	12 372	12 933	13 543	12 295	12 718	14 175	37 865	36 789	38 848	39 188	(X)
1990 ---	12 868	13 221	13 103	12 986	13 154	13 111	13 418	12 542	13 608	13 837	12 297	13 221	39 192	39 251	39 568	39 355	(X)
1991 ---	13 033	13 651	12 371	12 470	13 161	12 825	12 952	12 763	12 625	13 224	13 262	12 832	39 055	38 456	38 340	39 318	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	3.3	7.6	-	14.1	-21.3	-2.2	6.7	-3.9	9.3	1.9	-8.4	11.0	4.3	-4	-3.4	4.2	(X)
1983 ---	-7.7	-3.7	16.9	-2.7	-7.3	17.8	-7.6	-3.0	14.8	-4.1	-9	4.0	-1.2	7.1	3.0	4.7	(X)
1984 ---	1.7	1.5	2.8	.1	12.4	-9.1	-2.5	7.0	-6.7	5.5	5.6	-10.8	6.0	7.5	-2.8	2.9	(X)
1985 ---	5.8	26.7	-16.8	-12.6	8.9	4.8	-8.4	1.8	4.2	1.4	-6.0	-1.2	10.4	-10.4	-3	.3	(X)
1986 ---	-2.5	13.9	-13.8	-2.7	-5	22.0	-11.2	.2	6.4	-8.8	2.1	4.6	-1.6	-1.8	3.1	-2.1	(X)
1987 ---	-7	-8	-3.8	5.3	-3.4	15.3	-4.0	-10.9	9.8	-1.3	-8	6.2	1.1	5.0	-4	2.6	(X)
1988 ---	6.5	-4.9	1.4	.4	.5	-7.6	9.2	4.4	-7.2	1.0	-1.1	5.7	7.3	-2.6	4.1	-1.4	(X)
1989 ---	-7.5	-3	-1	-4.3	3.1	-1.1	.7	4.5	4.7	-9.2	3.4	11.5	-4.6	-2.8	5.6	.9	(X)
1990 ---	-9.2	2.7	-9	-9	1.3	-3	2.3	-6.5	8.5	1.7	-11.1	7.5	-	.2	.8	-5	(X)
1991 ---	-1.4	4.7	-9.4	.8	5.5	-2.6	1.0	-1.5	-1.1	4.7	.3	-3.2	-8	-1.5	-3	2.6	(X)
HEALTH CARE EQUIPMENT AND PRODUCTS—NEW ORDERS																	
Not Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 105	3 576	3 902	3 569	3 465	3 820	3 229	3 610	4 218	3 466	3 460	3 612	10 583	10 854	11 057	10 538	43 032
1983 ---	3 600	3 808	3 923	3 574	3 566	4 201	3 540	3 853	4 488	3 904	3 844	4 146	11 331	11 341	11 881	11 894	46 447
1984 ---	3 870	3 881	4 365	3 899	4 113	4 627	3 819	4 352	4 818	4 219	4 164	4 495	12 116	12 639	12 989	12 878	50 622
1985 ---	4 211	4 412	4 596	4 066	4 155	5 042	4 039	4 500	4 919	4 383	4 169	4 797	13 219	13 263	13 458	13 349	53 289
1986 ---	4 526	4 570	4 686	4 285	4 441	5 003	4 164	4 734	5 514	4 428	4 573	4 976	13 782	13 729	14 412	14 377	56 300
1987 ---	4 877	5 012	5 319	4 911	4 877	5 830	5 021	5 460	6 318	5 445	5 306	5 738	15 208	15 618	16 799	16 489	64 114
1988 ---	5 543	5 737	6 080	5 536	5 438	6 199	5 289	6 074	6 435	6 010	5 838	6 290	17 360	17 173	17 798	18 138	70 469
1989 ---	5 784	6 187	6 305	5 897	5 855	7 218	5 910	6 331	7 839	6 417	6 154	6 553	18 276	18 970	20 080	19 124	76 450
1990 ---	6 672	6 717	7 077	6 445	6 459	7 313	6 583	7 071	7 734	7 335	6 945	6 854	20 466	20 217	21 388	21 134	83 205
1991 ---	7 126	7 237	7 085	6 915	7 271	7 358	7 120	7 411	8 305	7 893	7 230	7 174	21 448	21 544	22 836	22 297	88 125
Seasonally Adjusted—Millions of Dollars																	
1982 ---	3 253	3 555	3 661	3 779	3 629	3 577	3 568	3 648	3 741	3 480	3 592	3 547	10 469	10 985	10 957	10 619	(X)
1983 ---	3 759	3 788	3 690	3 786	3 733	3 932	3 909	3 870	3 974	3 944	4 003	4 062	11 237	11 451	11 753	12 009	(X)
1984 ---	4 022	3 858	4 127	4 129	4 296	4 311	4 222	4 354	4 281	4 274	4 340	4 398	12 007	12 736	12 857	13 012	(X)
1985 ---	4 354	4 383	4 351	4 299	4 361	4 692	4 456	4 487	4 381	4 443	4 351	4 702	13 088	13 352	13 324	13 496	(X)
1986 ---	4 651	4 534	4 458	4 534	4 684	4 653	4 585	4 708	4 948	4 884	4 770	4 890	13 643	13 871	14 241	14 544	(X)
1987 ---	4 984	4 974	5 071	5 171	5 151	5 453	5 487	5 622	5 690	5 495	5 513	5 670	15 029	15 775	16 599	16 678	(X)
1988 ---	5 650	5 696	5 813	5 811	5 740	5 822	5 746	6 025	5 809	6 046	6 038	6 244	17 159	17 373	17 580	18 328	(X)
1989 ---	5 905	6 155	6 031	6 152	6 173	6 856	6 384	6 277	7 192	6 445	6 341	6 531	18 091	19 181	19 853	19 317	(X)
1990 ---	6 805	6 697	6 777	6 712	6 798	6 950	7 072	7 012	7 052	7 358	7 131	6 841	20 279	20 460	21 136	21 330	(X)
1991 ---	7 280	7 234	6 782	7 199	7 637	6 990	7 632	7 346	7 584	7 913	7 410	7 167	21 296	21 826	22 562	22 490	(X)
Seasonally Adjusted—Percent Change From Previous Period																	
1982 ---	-7	9.3	3.0	3.2	-4.0	-1.4	-3	2.2	2.5	-7.0	3.2	-1.3	5.9	4.9	-3	-3.1	(X)
1983 ---	6.0	.8	-2.6	2.6	-1.4	5.3	-6	-1.0	2.7	-8	1.5	1.5	5.8	1.9	2.6	2.2	(X)
1984 ---	-1.0	-4.1	7.0	-	4.0	.3	-2.1	3.1	-1.7	-2	1.5	1.3	-	6.1	1.0	1.2	(X)
1985 ---	-1.0	.7	-7	-1.2	1.4	7.6	-5.0	.7	-2.4	1.4	-2.1	8.1	.6	2.0	-2	1.3	(X)
1986 ---	-1.1	-2.5	-1.7	1.7	3.3	-7	-1.5	2.7	5.1	-1.3	-2.3	2.5	1.1	1.7	2.7	2.1	(X)
1987 ---	1.9	-2	2.0	2.0	-4	5.9	.6	-1.2	4.9	-3.4	.3	2.8	3.3	5.0	5.2	.5	(X)
1988 ---	-4	.8	2.1	-	-1.2	1.4	-1.3	4.9	-3.6	4.1	-1	3.4	2.9	1.2	1.2	4.3	(X)
1989 ---	-5.4	4.2	-2.0	2.0	.3	11.1	-6.9	-1.7	14.6	-10.4	-1.6	3.0	-1.3	6.0	3.5	-2.7	(X)
1990 ---	4.2	-1.6	1.2	-1.0	1.3	2.2	1.8	-8	6	4.3	-3.1	-4.1	.8	.9	3.3	.9	(X)
1991 ---	6.4	-6	-6.2	6.1	6.1	-8.5	9.2	-3.7	3.2	4.3	-6.4	-3.3	-2	2.5	3.4	-3	(X)



Table 2. **Manufacturers' New Orders and Percent Changes for Industry Categories and Topical Series, by Month: 1982-1991—Con.**

- Represents no change. (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month. (X) Not applicable. (NA) Not available.



Table 3. Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	328 172	328 302	330 298	330 038	324 159	318 457	315 069	309 291	306 245	305 872	303 027	308 633
1983 ---	316 658	317 672	320 295	322 936	322 393	324 037	326 124	327 055	328 816	335 208	338 707	343 479
1984 ---	353 064	361 489	373 401	375 467	377 182	373 742	375 949	374 485	371 836	368 060	368 224	369 844
1985 ---	378 856	381 872	383 608	382 085	378 737	381 177	381 445	381 145	382 653	381 827	376 963	383 885
1986 ---	381 847	386 804	403 018	400 103	398 030	381 247	390 428	388 512	388 281	386 000	386 488	390 428
1987 ---	383 691	396 208	400 608	404 675	407 357	408 875	418 408	417 545	418 052	419 644	422 165	427 185
1988 ---	436 628	444 487	447 735	448 678	448 118	448 220	451 667	453 387	454 303	455 751	457 853	469 004
1989 ---	478 500	484 200	490 954	494 826	481 838	493 189	487 317	492 882	493 227	491 598	497 812	507 168
1990 ---	513 848	514 554	521 336	522 782	523 208	518 821	521 522	518 016	519 216	520 653	515 440	518 671
1991 ---	522 277	524 445	524 180	520 155	517 740	509 853	517 596	516 664	511 536	507 153	504 396	502 265
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	327 152	325 260	326 270	325 716	321 288	317 595	314 858	310 638	309 275	309 511	308 067	311 889
1983 ---	315 787	314 637	315 901	318 326	319 227	323 166	325 870	328 305	332 294	339 930	345 222	347 272
1984 ---	352 266	357 910	367 399	369 231	373 050	372 576	375 538	375 785	375 517	373 215	374 926	373 524
1985 ---	378 155	378 509	377 403	376 077	375 918	380 315	381 506	383 196	386 416	387 185	383 158	387 087
1986 ---	390 680	392 782	396 450	394 247	392 732	390 842	390 660	388 792	391 772	391 034	392 067	393 403
1987 ---	392 793	392 545	394 556	399 232	404 309	409 900	416 397	420 023	421 381	425 030	427 463	430 287
1988 ---	435 850	440 765	441 728	443 253	445 017	448 032	451 270	455 833	457 352	461 010	462 544	471 942
1989 ---	477 959	480 990	485 524	488 902	492 830	496 468	495 058	495 577	496 056	501 917	510 112	510 112
1990 ---	513 568	512 306	516 912	518 835	520 432	518 579	520 447	519 890	521 093	524 560	519 457	521 811
1991 ---	522 320	522 964	520 413	516 664	515 058	509 370	516 334	518 240	513 107	510 737	508 436	505 631
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.2	-.6	.3	-.2	-1.4	-1.1	-.9	-1.3	-.4	.1	-.5	1.2
1983 ---	1.2	-.4	.4	.8	.3	1.2	.8	.7	1.2	2.3	1.6	.6
1984 ---	1.4	1.6	2.7	.5	1.0	-.1	.8	.1	-.1	-.6	.5	-.4
1985 ---	1.2	.1	-.3	-.4	.5	1.2	.3	.4	.8	-.2	-1.0	1.0
1986 ---	.9	.5	.9	-.6	-.4	-.5	-.1	-.5	.8	-.2	.3	.3
1987 ---	-.2	-.1	.5	1.2	1.3	1.4	1.6	.9	.3	.9	.6	.7
1988 ---	1.3	1.1	.2	.3	.4	.7	.7	1.0	.3	.8	.3	2.0
1989 ---	1.3	.6	.9	.9	-.2	.8	.7	-.3	.3	.1	1.2	1.6
1990 ---	.7	-.2	.9	.4	-.3	-.4	.4	-.1	.2	.7	-1.0	.5
1991 ---	.1	.1	-.5	-.7	-.3	-1.1	1.4	.4	-1.0	-.5	-.5	-.6
<b>DURABLE GOODS INDUSTRIES, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	316 411	316 977	319 002	318 652	312 995	307 662	304 466	298 786	295 667	295 430	292 548	297 851
1983 ---	305 505	306 353	308 262	310 428	309 602	311 123	312 790	313 477	314 973	321 337	324 972	329 758
1984 ---	338 699	346 616	358 503	360 399	362 119	359 008	360 886	360 040	357 749	354 364	354 914	356 446
1985 ---	364 812	368 100	369 661	368 055	365 587	366 973	366 780	366 700	368 172	367 476	362 961	369 362
1986 ---	376 823	381 492	387 658	384 890	380 170	375 551	374 497	370 819	372 123	369 831	370 487	374 264
1987 ---	376 746	378 100	381 550	384 890	387 677	389 922	385 292	396 302	396 721	398 275	401 339	406 444
1988 ---	415 546	422 927	425 923	427 047	426 632	426 734	429 558	431 338	432 383	434 346	436 673	447 872
1989 ---	457 032	462 610	468 748	472 780	468 181	470 787	474 858	470 328	470 809	469 977	476 892	486 312
1990 ---	492 730	493 072	499 087	500 520	501 012	496 771	499 626	495 430	496 640	498 748	494 129	497 552
1991 ---	501 093	503 004	502 064	498 160	494 828	487 400	494 871	493 436	488 010	484 195	481 821	479 724
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	315 336	313 947	315 062	314 607	310 366	306 850	304 397	300 199	298 696	298 962	297 220	300 799
1983 ---	304 580	303 302	303 982	306 110	306 704	310 295	312 773	314 827	318 451	325 922	330 983	333 113
1984 ---	337 738	342 976	352 657	354 521	358 312	357 938	360 838	361 484	361 453	359 386	361 079	359 644
1985 ---	364 138	364 604	363 638	362 357	362 031	366 177	367 222	368 967	371 994	372 582	368 613	372 017
1986 ---	375 620	377 644	381 328	378 887	377 134	375 323	375 146	373 309	375 709	374 718	375 479	376 613
1987 ---	375 537	374 373	375 824	379 847	384 926	390 001	395 807	399 142	400 296	403 512	405 918	408 600
1988 ---	414 252	419 049	420 276	422 016	423 795	426 658	429 668	434 217	435 787	439 465	440 720	449 989
1989 ---	455 976	459 206	463 670	468 181	467 193	470 528	474 450	472 984	473 587	474 289	480 278	488 431
1990 ---	491 875	490 554	494 986	496 868	498 509	496 551	498 940	497 838	499 049	502 517	497 493	499 828
1991 ---	500 507	501 245	498 645	494 939	492 487	487 061	493 992	495 601	490 171	487 627	485 156	482 208
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.2	-.4	.4	-.1	-1.3	-1.1	-.8	-1.4	-.5	.1	-.6	1.2
1983 ---	1.3	-.4	.2	.7	.2	1.2	.8	.7	1.2	2.3	1.6	.6
1984 ---	1.4	1.6	2.8	.5	1.1	-.1	.8	.2	-.1	-.6	.5	-.4
1985 ---	1.2	.1	-.3	-.4	-.1	1.1	.3	.5	.8	.2	-1.1	.9
1986 ---	1.0	.5	1.0	-.6	-.5	-.5	-.1	-.5	.6	-.3	.2	.3
1987 ---	-.3	-.3	.4	1.1	1.3	1.3	1.5	.8	.3	.8	.6	.7
1988 ---	1.4	1.2	.3	.4	.4	.7	.7	1.1	.4	.8	.3	2.1
1989 ---	1.3	.7	1.0	1.0	.2	.7	.8	-.3	.1	.1	1.3	1.7
1990 ---	.7	-.3	.9	.4	-.3	-.4	.5	-.2	.2	.7	-1.0	.5
1991 ---	.1	.1	-.5	-.7	-.5	-1.1	1.4	.3	-1.1	-.5	-.5	-.6

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 020	2 965	2 849	2 804	2 848	2 748	2 788	2 692	2 728	2 636	2 636	2 569
1983 ---	2 660	2 835	2 937	3 048	3 155	3 245	3 340	3 341	3 313	3 320	3 329	3 275
1984 ---	3 553	3 868	4 085	4 173	4 258	4 104	4 199	4 267	4 147	4 080	4 090	4 196
1985 ---	4 310	4 627	4 652	4 687	4 689	4 690	4 722	4 670	4 599	4 812	4 682	5 000
1986 ---	5 201	5 516	5 726	5 596	5 534	5 606	5 569	5 541	5 514	5 401	5 392	5 312
1987 ---	5 374	5 543	5 639	5 507	5 475	5 322	5 386	5 490	5 430	5 231	5 219	5 047
1988 ---	5 368	5 619	5 591	5 588	5 684	5 811	5 857	5 948	5 865	5 719	5 831	5 629
1989 ---	5 649	5 865	5 743	5 567	5 658	5 540	5 389	5 221	5 234	5 133	5 182	5 140
1990 ---	5 109	5 212	5 038	5 150	5 096	5 130	5 185	5 362	5 473	5 414	5 183	5 165
1991 ---	5 101	5 335	5 504	5 670	5 871	6 060	6 379	6 522	6 564	6 583	6 288	6 252
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 075	2 928	2 785	2 726	2 749	2 697	2 702	2 668	2 796	2 721	2 738	2 692
1983 ---	2 721	2 789	2 861	2 968	3 054	3 189	3 253	3 315	3 385	3 426	3 459	3 422
1984 ---	3 640	3 792	3 959	4 057	4 138	4 038	4 117	4 242	4 219	4 214	4 254	4 370
1985 ---	4 410	4 523	4 493	4 558	4 578	4 629	4 663	4 645	4 656	4 677	4 857	5 189
1986 ---	5 309	5 378	5 535	5 467	5 431	5 542	5 528	5 509	5 557	5 560	5 562	5 492
1987 ---	5 470	5 407	5 477	5 423	5 404	5 270	5 358	5 437	5 436	5 357	5 342	5 199
1988 ---	5 465	5 506	5 472	5 548	5 634	5 759	5 824	5 861	5 831	5 817	5 941	5 779
1989 ---	5 763	5 784	5 664	5 559	5 624	5 497	5 347	5 115	5 175	5 192	5 267	5 265
1990 ---	5 231	5 172	4 998	5 160	5 069	5 090	5 129	5 238	5 395	5 453	5 267	5 283
1991 ---	5 235	5 320	5 475	5 688	5 840	6 010	6 302	6 364	6 463	6 615	6 389	6 390
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-6.4	-4.8	-4.9	-2.1	.8	-1.9	.2	-1.3	4.8	-2.7	.6	-1.7
1983 ---	1.1	2.5	2.6	3.7	2.9	4.4	2.0	1.9	2.1	1.2	1.0	-1.1
1984 ---	6.4	4.2	4.4	2.5	2.0	-2.4	2.0	3.0	-5	-1	.9	2.7
1985 ---	.9	2.6	-7	1.4	.4	1.1	.7	-4	.2	6.7	-2.2	6.8
1986 ---	2.3	1.3	2.9	-1.2	-7	2.0	-3	-3	.9	-1	-	-1.3
1987 ---	-4	-1.2	1.3	-1.0	-4	-2.5	1.7	1.5	-	-1.5	-3	-2.7
1988 ---	5.1	.8	-6	1.4	1.6	2.2	1.1	.6	-5	-2	2.1	-2.7
1989 ---	-3	.4	-2.1	-1.9	1.2	-2.3	-2.7	-4.3	1.2	.3	1.4	.3
1990 ---	-6	-1.1	-3.4	3.2	-1.8	.4	.8	2.1	3.0	1.1	-3.4	.3
1991 ---	-9	1.6	2.9	3.9	2.7	2.9	4.9	1.0	1.6	2.4	-3.4	-
<b>PRIMARY METAL INDUSTRIES, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	21 081	20 461	19 679	18 661	17 871	17 288	16 874	16 289	15 706	14 958	14 870	14 967
1983 ---	15 568	18 044	18 102	17 703	17 461	17 345	17 487	18 059	18 206	18 539	19 437	19 611
1984 ---	21 221	22 407	22 779	22 982	21 798	19 875	19 560	19 165	18 511	17 804	17 565	17 650
1985 ---	18 765	19 010	19 292	18 897	18 610	18 312	18 242	18 242	17 703	17 642	17 521	17 661
1986 ---	19 076	20 254	20 417	19 266	17 748	17 110	16 486	17 162	16 978	16 612	16 740	18 014
1987 ---	18 554	19 063	20 239	20 819	20 885	21 821	21 303	21 528	21 900	22 123	22 315	23 755
1988 ---	25 017	26 284	26 905	26 475	26 420	25 762	26 016	25 727	25 356	25 149	24 931	26 359
1989 ---	27 717	28 714	28 470	28 133	26 904	26 041	26 041	24 676	23 717	22 446	22 140	23 166
1990 ---	24 272	24 650	25 511	25 651	25 866	25 355	25 321	24 579	24 239	23 928	23 708	23 683
1991 ---	23 158	22 578	22 387	22 130	21 751	21 532	22 373	22 338	21 950	21 194	21 126	21 345
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	20 625	19 418	18 381	17 747	17 448	17 410	17 167	16 679	16 376	15 792	15 685	15 499
1983 ---	15 243	17 119	16 870	16 755	17 014	17 483	17 802	18 468	19 003	19 661	20 560	20 395
1984 ---	20 774	21 229	21 151	21 634	21 213	20 014	19 910	19 591	19 303	18 904	18 600	18 356
1985 ---	18 376	18 016	17 933	18 215	18 379	18 726	18 638	18 659	18 496	18 769	18 581	18 299
1986 ---	18 694	19 269	19 034	18 144	17 250	17 177	16 725	17 553	17 747	17 679	17 778	18 572
1987 ---	18 182	18 167	18 935	19 657	20 267	21 219	21 535	22 015	22 850	23 556	23 718	24 355
1988 ---	24 552	25 230	25 327	25 198	25 614	25 648	26 076	26 270	26 340	26 715	26 440	26 947
1989 ---	27 304	27 769	26 970	27 323	27 234	26 666	25 895	25 153	24 546	23 768	23 385	23 641
1990 ---	24 004	24 024	24 313	24 652	25 040	25 120	25 071	25 028	25 022	25 297	24 991	24 176
1991 ---	22 944	22 103	21 396	21 303	21 050	21 311	22 103	22 727	22 643	22 394	22 261	21 784
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-6.3	-5.9	-5.3	-3.4	-1.7	-2	-1.4	-2.8	-1.8	-3.6	-7	-1.2
1983 ---	-1.7	12.3	-1.5	-7	1.5	2.8	1.8	3.7	2.9	3.5	4.6	-8
1984 ---	1.9	2.2	-4	2.3	-1.9	-5.7	-5	-1.6	-1.5	-2.1	-1.6	-1.3
1985 ---	.1	-2.0	-5	1.6	.9	1.9	-5	.1	-9	1.5	-1.0	-1.5
1986 ---	2.2	3.1	-1.2	-4.7	-4.9	-4	-2.6	5.0	1.1	-4	.6	4.5
1987 ---	-2.1	-1	4.2	3.8	3.1	4.7	1.5	2.2	3.8	3.1	-7	2.7
1988 ---	.8	2.8	.4	-5	1.7	-1	1.7	.7	.3	1.4	-1.0	1.9
1989 ---	1.3	1.7	-2.9	1.3	-3	-2.1	-2.9	-2.9	-2.4	-3.2	-1.6	-3.3
1990 ---	1.5	.1	1.2	1.4	1.6	.3	-2	-2	-	1.1	-1.2	-
1991 ---	-5.1	-3.7	-3.2	-4	-1.2	1.2	3.7	2.8	-4	-1.1	-6	-2.1

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>BLAST FURNACES, STEEL MILLS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 871	9 449	8 915	8 391	8 047	7 548	7 389	7 058	6 632	6 365	6 288	6 321
1983 ---	6 467	8 055	7 984	7 749	7 683	7 430	7 651	7 878	8 235	8 691	9 002	9 046
1984 ---	10 036	10 692	11 075	10 882	9 962	8 649	8 334	8 139	7 575	7 388	7 461	7 787
1985 ---	8 468	8 893	9 028	9 000	8 517	8 049	8 015	8 208	7 744	7 879	8 002	7 962
1986 ---	8 379	9 037	9 401	8 879	8 107	7 656	7 166	7 871	8 000	7 761	7 867	8 652
1987 ---	8 817	9 311	9 973	10 629	10 350	10 299	10 481	10 646	10 553	10 276	10 688	11 600
1988 ---	12 009	12 547	12 647	12 274	12 205	11 633	11 679	11 418	11 227	10 637	10 486	11 266
1989 ---	12 342	13 118	12 549	12 146	11 544	10 532	10 082	9 416	8 901	8 559	8 456	9 211
1990 ---	10 043	10 396	10 378	10 475	10 657	10 373	10 563	10 461	10 350	10 073	9 795	9 710
1991 ---	9 438	9 051	8 626	8 661	8 523	8 327	9 201	9 529	9 353	9 113	8 785	8 547
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 638	8 809	8 135	7 826	7 793	7 692	7 625	7 336	7 074	6 785	6 660	6 573
1983 ---	6 296	7 480	7 246	7 183	7 439	7 630	7 927	8 179	8 802	9 297	9 549	9 425
1984 ---	9 771	9 887	10 031	10 013	9 642	8 908	8 651	8 447	8 116	7 945	7 932	8 095
1985 ---	8 256	8 193	8 183	8 249	8 245	8 294	8 319	8 505	8 290	8 518	8 536	8 226
1986 ---	8 171	8 326	8 570	8 147	7 851	7 863	7 408	8 140	8 535	8 418	8 414	8 882
1987 ---	8 579	8 604	9 179	9 836	10 027	10 526	10 752	10 980	11 180	11 146	11 452	11 840
1988 ---	11 651	11 672	11 774	11 493	11 835	11 833	11 856	11 747	11 797	11 492	11 233	11 474
1989 ---	11 938	12 301	11 794	11 512	11 194	10 686	10 144	9 666	9 283	9 201	9 046	9 386
1990 ---	9 682	9 823	9 825	10 013	10 340	10 518	10 557	10 715	10 747	10 769	10 459	9 918
1991 ---	9 082	8 592	8 192	8 315	8 272	8 444	9 171	9 751	9 696	9 709	9 376	8 738
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-9.0	-8.6	-7.7	-3.8	-4	-1.3	-9	-3.8	-3.6	-4.1	-1.8	-1.3
1983 ---	-4.2	18.8	-3.1	-9	3.6	2.6	3.9	3.2	7.6	5.6	2.7	-1.3
1984 ---	3.7	1.2	1.5	-2	-3.7	-7.6	-2.9	-2.4	-3.9	-2.1	-2	2.1
1985 ---	2.0	-8	-1	-8	-	-	-3	2.2	-2.5	2.8	2	-3.6
1986 ---	-7	1.9	2.9	-4.9	-3.6	2	-5.8	9.9	4.9	-1.4	-	5.6
1987 ---	-3.4	3	6.7	1.9	1.9	5.0	2.1	2.1	1.8	-3	2.7	3.4
1988 ---	-1.6	2	9	-2.4	3.0	5	2	-9	4	-2.6	-2.3	2.1
1989 ---	4.0	3.0	-4.1	-2.4	-2.8	-4.5	-5.1	-4.7	-4.0	-1.7	-3.8	3.8
1990 ---	3.2	1.5	-	1.9	3.3	1.7	4	1.5	3	2	-2.9	-5.2
1991 ---	-8.4	-5.4	-4.7	1.5	-5	2.1	8.6	6.3	-6	1	-3.4	-6.8
<b>IRON AND STEEL FOUNDRIES—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 609	2 481	2 298	2 128	1 990	1 921	1 916	1 765	1 620	1 546	1 522	1 493
1983 ---	1 491	1 477	1 468	1 423	1 407	1 374	1 393	1 334	1 341	1 336	1 322	1 350
1984 ---	1 431	1 506	1 564	1 607	1 593	1 616	1 706	1 680	1 649	1 616	1 577	1 525
1985 ---	1 600	1 544	1 586	1 612	1 642	1 594	1 604	1 578	1 606	1 663	1 691	1 659
1986 ---	1 770	1 809	1 849	1 890	1 828	1 829	1 821	1 810	1 795	1 895	1 819	1 841
1987 ---	1 940	1 919	1 869	1 877	1 941	1 915	1 962	1 958	2 072	2 082	2 161	2 137
1988 ---	2 255	2 299	2 347	2 386	2 361	2 385	2 468	2 455	2 491	2 533	2 496	2 491
1989 ---	2 696	2 735	2 735	2 845	2 834	2 796	2 784	2 757	2 703	2 694	2 685	2 671
1990 ---	2 765	2 807	3 036	3 122	3 127	3 155	3 165	3 314	3 267	3 298	3 280	3 198
1991 ---	3 180	3 165	3 140	3 094	2 954	2 953	2 986	3 022	2 925	2 895	2 810	2 900
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 541	2 412	2 243	2 112	1 998	1 968	1 910	1 791	1 649	1 562	1 538	1 508
1983 ---	1 459	1 441	1 436	1 406	1 412	1 398	1 382	1 353	1 364	1 348	1 338	1 374
1984 ---	1 406	1 475	1 533	1 581	1 598	1 631	1 690	1 701	1 675	1 629	1 597	1 565
1985 ---	1 577	1 515	1 558	1 579	1 646	1 601	1 589	1 594	1 629	1 676	1 714	1 712
1986 ---	1 745	1 779	1 822	1 847	1 830	1 833	1 807	1 822	1 817	1 909	1 845	1 905
1987 ---	1 916	1 889	1 844	1 831	1 917	1 917	1 951	1 965	2 093	2 097	2 192	2 211
1988 ---	2 232	2 267	2 317	2 328	2 359	2 387	2 459	2 458	2 512	2 550	2 532	2 570
1989 ---	2 681	2 704	2 696	2 776	2 829	2 801	2 776	2 754	2 723	2 711	2 724	2 749
1990 ---	2 758	2 783	2 991	3 047	3 120	3 162	3 156	3 305	3 286	3 319	3 329	3 284
1991 ---	3 181	3 146	3 092	3 018	2 947	2 959	2 979	3 008	2 941	2 912	2 854	2 974
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-4.1	-5.1	-7.0	-5.8	-5.4	-1.5	-2.9	-6.2	-7.9	-5.3	-1.5	-2.0
1983 ---	-3.2	-1.2	-3	-2.1	4	-1.0	-1.1	-2.1	7.8	-1.2	-7	2.7
1984 ---	2.3	4.9	3.9	3.1	1.1	2.1	3.6	7	-1.5	-2.7	-2.0	-2.0
1985 ---	8	-3.9	2.8	1.3	4.2	-2.7	-7	3	2.2	2.9	2.3	-1
1986 ---	1.9	1.9	2.4	1.4	-9	2	-1.4	8	-3	5.1	-3.4	3.3
1987 ---	6	-1.4	-2.4	-7	6.0	-1.2	1.8	7	6.5	2	4.5	9
1988 ---	9	1.6	2.2	5	1.3	1.2	3.0	7	2.2	1.5	7	1.5
1989 ---	4.3	9	-3	3.0	1.9	-1.0	-9	-	-1.1	-4	5	9
1990 ---	3	9	7.5	1.9	2.4	1.3	-2	4.7	-6	1.0	3	-1.4
1991 ---	-3.1	-1.1	-1.7	-2.4	-2.4	4	7	1.0	-2.2	-1.0	-2.0	4.2

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONFERROUS AND OTHER PRIMARY METALS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 601	8 531	8 466	8 142	7 834	7 819	7 569	7 466	7 454	7 047	7 060	7 153
1983 ---	7 610	8 512	8 650	8 531	8 371	8 541	8 443	8 847	8 630	8 512	9 113	9 215
1984 ---	9 754	10 209	10 140	10 493	10 243	9 610	9 520	9 346	9 287	8 800	8 527	8 338
1985 ---	8 697	8 573	8 678	8 765	8 738	8 967	8 693	8 456	8 353	8 100	7 828	8 040
1986 ---	8 927	9 408	9 167	8 497	7 813	7 625	7 499	7 481	7 183	6 956	7 054	7 521
1987 ---	7 797	7 833	8 397	8 313	8 594	8 968	8 660	8 924	9 275	9 765	9 466	10 018
1988 ---	10 753	11 438	11 911	11 815	11 854	11 744	11 869	11 854	11 638	11 979	11 949	12 602
1989 ---	12 679	12 861	13 186	13 546	13 755	13 576	13 175	12 503	12 113	11 193	10 999	11 284
1990 ---	11 464	11 447	12 097	12 054	12 082	11 827	11 593	10 804	10 622	10 557	10 633	10 775
1991 ---	10 540	10 362	10 621	10 375	10 274	10 252	10 186	9 787	9 672	9 186	9 531	9 898
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 446	8 197	8 003	7 809	7 657	7 750	7 632	7 552	7 653	7 445	7 487	7 418
1983 ---	7 488	8 198	8 188	8 166	8 163	8 455	8 493	8 936	8 837	9 016	9 673	9 596
1984 ---	9 597	9 867	9 587	10 040	9 973	9 475	9 569	9 443	9 512	9 330	9 071	8 696
1985 ---	8 743	8 308	8 192	8 387	8 488	8 831	8 730	8 560	8 375	8 330	8 331	8 361
1986 ---	8 778	9 164	8 642	8 150	7 569	7 481	7 510	7 591	7 395	7 352	7 519	7 785
1987 ---	7 687	7 674	7 912	7 990	8 299	8 776	8 832	9 070	9 577	10 313	10 074	10 304
1988 ---	10 669	11 291	11 236	11 377	11 420	11 428	11 761	12 065	12 031	12 673	12 675	12 903
1989 ---	12 685	12 764	12 480	13 035	13 211	13 179	12 975	12 733	12 540	11 856	11 615	11 506
1990 ---	11 564	11 418	11 497	11 592	11 580	11 440	11 358	11 008	10 989	11 209	11 203	10 974
1991 ---	10 681	10 365	10 112	9 970	9 831	9 908	9 953	9 968	10 006	9 773	10 031	10 072
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-3.8	-2.9	-2.4	-2.4	-1.9	1.2	-1.5	-1.0	1.3	-2.7	.6	-9
1983 ---	.9	9.5	-1	-3	-	3.6	.4	5.2	-1.1	2.0	7.3	-8
1984 ---	-	2.8	-2.8	4.7	-7	-5.0	1.0	-1.3	.7	-1.9	-2.8	-4.1
1985 ---	-1.8	-2.8	-1.4	2.4	1.2	4.0	-1.1	-1.9	.2	-	-2.8	.4
1986 ---	5.0	4.4	-5.7	-5.7	-7.1	-1.2	.4	1.1	-2.6	-6	2.3	3.5
1987 ---	-1.3	-2	3.1	1.0	3.9	5.7	.6	2.7	5.6	7.7	-2.3	2.3
1988 ---	3.5	5.8	-5	1.3	.4	.1	2.9	2.6	-3	5.3	-	1.8
1989 ---	-1.7	.6	-2.2	4.4	1.4	-2	-1.5	-1.9	-1.5	-5.5	-2.0	-9
1990 ---	.5	-1.3	.7	.8	-1	-1.2	-7	-3.1	-2	2.0	-1	-2.0
1991 ---	-2.7	-3.0	-2.4	-1.4	-1.4	.8	.5	.2	4	-2.3	2.6	.4
<b>FABRICATED METAL PRODUCTS, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	32 594	32 310	33 123	32 457	31 898	31 548	31 029	30 239	29 542	28 922	27 747	26 726
1983 ---	26 850	26 664	27 287	27 035	27 108	27 248	27 378	27 096	27 074	26 689	26 475	26 403
1984 ---	26 916	27 581	28 177	28 129	28 604	28 853	28 786	29 365	29 779	29 506	29 980	29 946
1985 ---	30 415	30 364	30 935	30 619	30 321	29 983	29 591	29 465	29 398	28 588	29 026	28 978
1986 ---	29 027	29 220	29 185	29 451	29 477	29 649	29 451	29 117	28 969	28 354	28 658	29 456
1987 ---	29 636	29 582	29 802	29 701	30 120	30 998	31 411	31 650	32 061	32 276	32 447	32 805
1988 ---	32 488	32 718	32 886	32 613	32 747	32 184	32 334	32 050	31 752	31 348	31 125	31 353
1989 ---	31 147	31 546	31 316	30 815	30 060	30 096	29 528	28 588	27 940	27 589	27 058	27 141
1990 ---	27 396	27 126	27 214	27 185	26 644	26 380	26 896	26 428	26 762	25 872	25 320	25 377
1991 ---	25 866	25 508	25 522	25 662	25 585	25 120	25 312	25 238	24 942	24 476	24 134	24 248
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	32 936	32 349	32 746	32 104	31 592	31 241	30 708	30 098	29 571	29 335	28 165	27 118
1983 ---	27 163	26 695	26 962	26 763	26 846	26 985	27 112	26 970	27 109	27 095	26 874	26 755
1984 ---	27 200	27 579	27 842	27 677	28 349	28 610	28 549	29 176	29 837	29 940	30 383	30 257
1985 ---	30 654	30 334	30 620	30 398	30 069	29 783	29 389	29 327	29 474	28 983	29 404	29 220
1986 ---	29 186	29 155	28 908	29 262	29 251	29 507	29 264	28 997	29 072	28 736	29 031	29 658
1987 ---	29 727	29 505	29 561	29 519	29 918	30 911	31 204	31 530	32 165	32 663	32 849	32 997
1988 ---	32 518	32 631	32 642	32 415	32 571	32 151	32 095	31 908	31 845	31 760	31 558	31 564
1989 ---	31 119	31 490	31 089	30 612	29 907	30 114	29 280	28 431	27 970	27 873	27 457	27 352
1990 ---	27 345	27 116	27 036	26 999	26 521	26 409	26 643	26 259	26 762	26 128	25 730	25 603
1991 ---	25 801	25 514	25 351	25 473	25 471	25 151	25 065	25 082	24 945	24 742	24 544	24 469
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-3	-1.8	1.2	-2.0	-1.6	-1.1	-1.7	-2.0	-1.8	-8	-4.0	-3.7
1983 ---	.2	-1.7	1.0	-.7	.3	.5	.5	-.5	.5	-.1	-.8	-.4
1984 ---	1.7	1.4	1.0	.1	1.7	.9	-.2	2.3	2.1	.3	1.5	-.4
1985 ---	1.3	-1.0	.9	-.7	-1.1	-1.0	-1.3	-.2	.5	-1.7	1.5	-.6
1986 ---	-.1	-.1	-.8	1.2	-.3	-.9	-.8	-.9	.3	-1.2	1.0	2.2
1987 ---	.2	-.7	.2	-.1	1.4	3.3	.9	1.0	2.0	1.5	.6	.5
1988 ---	-1.5	.3	-.7	-.7	.5	-1.3	-.2	-.6	-.2	-.3	-.6	-.1
1989 ---	-1.4	1.2	-1.3	-1.5	-2.3	-.7	-2.8	-2.9	-1.6	-.3	-1.5	-.4
1990 ---	-.8	-.8	-.3	-.1	-1.8	-.4	-.9	-1.4	-.9	-2.4	-1.5	-.5
1991 ---	.8	-1.1	-.6	.5	-.1	-1.3	-.3	.1	-.5	-.8	-.8	-.3

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	68 818	67 621	65 392	64 766	62 525	60 234	58 380	56 116	54 167	53 757	52 527	51 559
1983 ---	51 110	50 228	50 045	50 283	50 373	50 362	49 685	49 377	50 409	51 802	51 830	51 992
1984 ---	53 650	54 270	55 269	55 416	56 240	56 296	56 362	55 982	55 080	54 448	54 044	53 026
1985 ---	52 428	55 450	56 052	55 462	54 873	54 443	54 107	54 294	54 106	53 800	53 655	53 013
1986 ---	52 589	53 574	52 365	51 256	50 891	49 892	49 467	49 346	48 891	48 274	48 627	48 006
1987 ---	48 078	48 862	48 545	49 062	49 766	49 804	50 089	50 810	50 829	51 263	51 586	51 506
1988 ---	52 685	53 642	53 998	54 782	55 111	55 344	55 719	57 105	57 025	56 737	57 409	56 962
1989 ---	58 332	58 841	58 851	59 366	59 428	60 162	59 395	59 176	59 536	58 474	58 829	57 553
1990 ---	58 644	58 958	58 221	58 077	58 254	57 628	58 902	58 111	58 501	58 137	58 307	56 918
1991 ---	58 393	57 415	56 247	55 738	56 067	54 686	54 857	54 745	55 091	54 339	53 914	53 071
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	68 181	66 975	64 975	64 142	62 114	60 019	58 404	56 428	54 648	54 371	53 134	51 863
1983 ---	50 713	49 803	49 745	49 811	49 962	50 135	49 765	49 622	50 833	52 351	52 415	52 352
1984 ---	53 368	53 851	54 940	54 899	55 702	55 948	56 486	56 197	55 497	54 958	54 556	53 465
1985 ---	52 282	55 013	55 754	55 011	54 373	54 186	54 207	54 425	54 489	54 253	54 040	53 442
1986 ---	52 499	53 106	52 063	50 900	50 534	49 813	49 584	49 410	49 207	48 652	48 878	48 382
1987 ---	47 976	48 401	48 329	48 794	49 454	49 841	50 191	50 861	51 170	51 677	51 761	51 625
1988 ---	52 450	53 135	53 809	54 465	54 829	55 475	55 819	57 151	57 376	57 167	57 558	57 292
1989 ---	57 989	58 308	58 727	59 062	59 200	60 332	59 512	59 273	59 865	58 841	58 856	57 817
1990 ---	58 187	58 473	58 202	57 881	58 105	57 821	59 004	58 166	58 748	58 429	58 281	57 185
1991 ---	57 949	57 020	56 294	55 601	55 933	54 831	54 906	54 764	55 293	54 626	53 934	53 398
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-1.8	-1.8	-3.0	-1.3	-3.2	-3.4	-2.7	-3.4	-3.2	-5	-2.3	-2.4
1983 ---	-2.2	-1.8	-1	.1	.3	.3	-7	-3	2.4	3.0	.1	-1
1984 ---	1.9	.9	2.0	-1	1.5	.4	1.0	-5	-1.2	-1.0	-7	-2.0
1985 ---	-2.2	5.2	1.3	-1.3	-1.2	-3	-	4	-1	-4	-4	-1.1
1986 ---	-1.8	1.2	-2.0	-2.2	-7	-1.4	-5	-4	-4	-1.1	5	-1.0
1987 ---	-8	.9	-1.1	1.0	1.4	.8	.7	1.3	6	1.0	.2	.1
1988 ---	1.2	1.3	1.3	1.2	.7	1.2	.6	2.4	4	-4	.7	-5
1989 ---	1.2	6	.7	6	.2	1.9	-1.4	-4	1.0	-1.7	-	-1.8
1990 ---	.6	5	-5	-6	.4	-5	2.0	-1.4	1.0	-5	-3	-1.9
1991 ---	1.3	-1.6	-1.3	-1.2	.6	-2.0	.1	-3	1.0	-1.2	-1.3	-1.0
<b>ENGINES AND TURBINES—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 556	12 437	12 129	11 723	11 709	11 352	11 158	11 061	10 861	11 115	10 896	9 924
1983 ---	9 792	9 639	9 533	9 426	9 559	9 277	9 235	9 227	9 111	9 611	9 567	9 411
1984 ---	9 055	8 798	8 499	8 137	7 713	7 454	7 770	7 715	7 484	7 255	6 995	6 770
1985 ---	6 503	6 461	6 330	6 222	6 130	6 103	6 189	6 380	6 253	6 305	6 457	6 371
1986 ---	6 281	6 296	6 086	5 944	5 910	5 724	5 699	5 676	5 738	5 710	5 546	5 187
1987 ---	5 027	4 962	4 970	4 921	4 984	4 952	5 019	5 166	5 268	5 452	5 480	5 231
1988 ---	5 169	5 095	4 869	4 773	4 798	4 974	5 052	5 086	5 297	5 419	5 449	4 599
1989 ---	4 672	4 944	4 807	4 717	4 856	6 086	6 153	6 279	6 450	6 541	6 847	6 733
1990 ---	7 031	7 292	7 254	7 136	7 337	7 454	8 345	8 499	8 908	9 257	9 469	9 180
1991 ---	9 533	9 487	9 401	9 504	9 601	9 064	9 748	9 818	10 737	10 894	10 862	10 544
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 481	12 463	12 193	11 831	11 834	11 558	11 231	10 977	10 781	10 969	10 759	9 841
1983 ---	9 749	9 662	9 584	9 537	9 680	9 493	9 310	9 144	9 027	9 456	9 407	9 303
1984 ---	9 018	8 826	8 560	8 281	7 839	7 663	7 857	7 632	7 398	7 098	6 815	6 448
1985 ---	6 467	6 469	6 385	6 264	6 264	6 306	6 278	6 320	6 183	6 189	6 264	6 244
1986 ---	6 230	6 281	6 146	6 095	6 072	5 924	5 800	5 640	5 681	5 568	5 354	5 055
1987 ---	4 949	4 921	5 032	5 082	5 157	5 156	5 118	5 146	5 220	5 307	5 258	5 081
1988 ---	5 057	5 032	4 931	4 838	4 981	5 205	5 159	5 079	5 260	5 284	5 230	4 440
1989 ---	4 527	4 854	4 887	4 931	5 083	6 358	6 271	6 274	6 408	6 384	6 549	6 494
1990 ---	6 802	7 177	7 347	7 385	7 609	7 790	8 493	8 492	8 863	9 091	9 160	8 929
1991 ---	9 295	9 381	9 482	9 744	9 872	9 372	9 865	9 812	10 699	10 763	10 587	10 330
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-2.2	-1	-2.2	-3.0	-	-2.3	-2.8	-2.3	-1.8	1.7	-1.9	-8.5
1983 ---	-9	-9	-8	-5	1.5	-1.9	-1.9	-1.8	-1.3	4.8	-5	-1.1
1984 ---	-3.1	-2.1	-3.0	-3.3	-5.3	-2.2	2.5	-2.9	-3.1	-4.1	-4.0	-2.5
1985 ---	-2.7	-	-1.3	-3	-1.6	.7	-4	.7	-2.2	.1	1.2	-3
1986 ---	-2	.8	-2.1	-8	-4	-2.4	-2.1	-2.8	.7	-2.0	-3.8	-5.6
1987 ---	-2.1	-6	2.3	1.0	1.5	-	-7	.5	1.4	1.7	-9	-3.4
1988 ---	-5	-5	-2.0	.1	.9	4.5	-9	-1.6	3.6	.5	-1.0	-15.1
1989 ---	2.0	7.2	.7	.9	3.1	25.1	-1.4	-	2.1	-4	2.6	-8
1990 ---	4.7	5.5	2.4	.5	3.0	2.4	9.0	-	4.4	2.6	.8	-2.5
1991 ---	4.1	.9	1.1	2.8	1.3	-5.1	5.3	-5	9.0	6	-1.6	-2.4

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CONSTRUCTION, MINING, AND MATERIAL HANDLING EQUIPMENT—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 758	12 288	11 689	10 787	9 888	9 280	8 890	8 330	7 933	7 517	7 336	6 913
1983 ---	6 772	6 719	6 593	6 568	6 599	6 576	6 575	6 613	6 643	6 689	6 749	6 715
1984 ---	6 824	7 079	7 242	7 247	7 430	7 400	7 478	7 257	7 241	7 217	7 151	7 036
1985 ---	7 186	6 991	7 356	7 344	7 187	7 182	7 318	7 319	7 604	7 644	7 726	7 834
1986 ---	7 824	7 751	7 447	7 147	7 009	6 623	6 361	6 315	6 148	6 089	6 243	6 297
1987 ---	6 162	6 311	6 269	6 230	6 202	6 001	6 309	6 230	6 314	6 273	6 305	6 225
1988 ---	6 753	6 856	7 144	7 213	7 093	7 082	7 160	7 210	7 291	7 459	7 570	7 977
1989 ---	8 092	8 115	8 539	8 781	8 547	8 534	8 560	8 504	8 404	8 258	8 312	8 161
1990 ---	8 446	8 334	8 157	8 220	7 970	8 067	8 110	7 815	7 629	7 762	7 642	7 506
1991 ---	7 923	7 369	7 125	7 024	6 883	6 427	6 308	6 212	6 182	6 004	5 995	6 165
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 631	12 073	11 488	10 625	9 875	9 331	8 887	8 420	8 036	7 598	7 420	6 970
1983 ---	6 712	6 605	6 479	6 493	6 584	6 617	6 572	6 694	6 718	6 765	6 804	6 761
1984 ---	6 773	6 954	7 115	7 175	7 404	7 454	7 482	7 363	7 322	7 313	7 204	7 055
1985 ---	7 134	6 862	7 214	7 269	7 151	7 247	7 333	7 445	7 705	7 761	7 795	7 809
1986 ---	7 764	7 610	7 288	7 047	6 979	6 691	6 385	6 433	6 241	6 202	6 315	6 242
1987 ---	6 101	6 202	6 129	6 119	6 187	6 065	6 337	6 346	6 432	6 399	6 385	6 650
1988 ---	6 672	6 743	6 992	7 061	7 089	7 152	7 196	7 336	7 433	7 614	7 674	7 894
1989 ---	7 971	7 990	8 373	8 579	8 555	8 607	8 604	8 643	8 573	8 418	8 430	8 101
1990 ---	8 298	8 212	8 014	8 018	7 986	8 130	8 156	7 937	7 773	7 907	7 752	7 474
1991 ---	7 764	7 259	7 011	6 848	6 901	6 476	6 346	6 306	6 300	6 113	6 077	6 151
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-2.8	-4.4	-4.8	-7.5	-7.1	-5.5	-4.8	-5.3	-4.6	-5.5	-2.3	-6.1
1983 ---	-3.7	-1.6	-1.9	2	1.4	5	-7	1.9	.4	7	.6	-6
1984 ---	.2	2.7	2.3	8	3.2	7	4	-1.6	-6	-1	-1.5	-2.1
1985 ---	1.1	-3.8	5.1	8	-1.6	1.3	1.2	1.5	3.5	7	4	2
1986 ---	-6	-2.0	-4.2	-3.3	-1.0	-4.1	-4.6	8	-3.0	-6	1.8	-1.2
1987 ---	-2.3	1.7	-1.2	2	1.1	-2.0	4.5	1	1.4	-5	-2	4.2
1988 ---	.3	1.1	3.7	1.0	4	9	6	1.9	1.3	2.4	8	2.9
1989 ---	1.0	2	4.8	2.5	-3	6	-	.5	-8	-1.8	1	-3.9
1990 ---	2.4	-1.0	-2.4	-	-4	1.8	.3	-2.7	-2.1	1.7	-2.0	-3.6
1991 ---	3.9	-6.5	-3.4	-2.3	8	-6.2	-2.0	-6	-1	-3.0	-6	1.2
<b>METALWORKING MACHINERY—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 706	7 297	6 827	6 462	6 039	5 773	5 489	5 238	4 882	4 800	4 576	4 377
1983 ---	4 220	4 135	4 036	3 992	4 046	4 076	4 150	4 258	4 200	4 361	4 375	4 269
1984 ---	4 421	4 564	4 726	4 804	4 934	5 013	5 461	5 690	5 780	5 750	5 767	5 813
1985 ---	5 831	5 949	6 025	6 061	6 049	6 041	6 199	6 196	6 286	6 254	6 204	5 995
1986 ---	6 051	6 099	6 069	6 031	6 019	5 898	5 867	5 909	5 874	5 764	5 730	5 550
1987 ---	5 586	5 559	5 543	5 555	5 504	5 490	5 484	5 525	5 583	5 603	5 585	5 562
1988 ---	5 750	5 904	6 197	6 455	6 576	6 739	7 110	7 403	7 641	7 632	7 982	7 993
1989 ---	8 228	8 445	8 475	8 478	8 447	8 332	8 385	8 187	8 623	8 556	8 491	7 925
1990 ---	7 956	7 926	8 013	7 805	7 665	7 755	7 654	7 668	7 767	7 718	7 663	7 791
1991 ---	7 742	7 562	7 671	7 662	7 485	7 415	7 558	7 591	7 702	7 449	7 549	7 917
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 706	7 297	6 827	6 462	6 039	5 773	5 489	5 238	4 882	4 800	4 576	4 377
1983 ---	4 220	4 135	4 036	3 992	4 046	4 076	4 150	4 258	4 200	4 361	4 375	4 269
1984 ---	4 421	4 564	4 726	4 804	4 934	5 013	5 461	5 690	5 780	5 750	5 767	5 813
1985 ---	5 831	5 949	6 025	6 061	6 049	6 041	6 199	6 196	6 286	6 254	6 204	5 995
1986 ---	6 051	6 099	6 069	6 031	6 019	5 898	5 867	5 909	5 874	5 764	5 730	5 550
1987 ---	5 586	5 559	5 543	5 555	5 504	5 490	5 484	5 525	5 583	5 603	5 585	5 562
1988 ---	5 750	5 904	6 197	6 455	6 576	6 739	7 110	7 403	7 641	7 632	7 982	7 993
1989 ---	8 228	8 445	8 475	8 478	8 447	8 332	8 385	8 187	8 623	8 556	8 491	7 925
1990 ---	7 956	7 926	8 013	7 805	7 665	7 755	7 654	7 668	7 767	7 718	7 663	7 791
1991 ---	7 742	7 562	7 671	7 662	7 485	7 415	7 558	7 591	7 702	7 449	7 549	7 917
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-3.4	-5.3	-6.4	-5.3	-6.5	-4.4	-4.9	-4.6	-6.8	-1.7	-4.7	-4.3
1983 ---	-3.6	-2.0	-2.4	-1.1	1.4	.7	1.8	2.6	-1.4	3.8	.3	-2.4
1984 ---	3.6	3.2	3.5	1.7	2.7	1.6	8.9	4.2	1.6	-5	3	8
1985 ---	3	2.0	1.3	6	-2	-1	2.6	-	1.5	-5	-8	-3.4
1986 ---	9	8	-5	-6	-2	-2.0	-5	7	-6	-1.9	-6	-3.1
1987 ---	6	-5	-3	2	-9	-3	-1	7	1.0	4	-3	-4
1988 ---	3.4	2.7	5.0	4.2	1.9	2.5	5.5	4.1	3.2	-1	4.6	-1.1
1989 ---	2.9	2.6	4	-	-4	-1.4	.6	-2.4	5.3	-8	-8	-6.7
1990 ---	4	-4	1.1	-2.6	-1.8	1.2	-1.3	2	1.3	-6	-7	1.7
1991 ---	-6	-2.3	1.4	-1	-2.3	-9	1.9	4	1.5	-3.3	1.3	4.9

See footnotes at end of table



Table 3. Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>COMPUTER AND OFFICE EQUIPMENT—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 691	16 615	16 154	17 492	17 192	16 715	16 219	15 274	14 768	14 712	14 310	15 184
1983 ---	15 269	14 575	14 556	15 122	15 179	15 733	15 326	14 736	15 556	15 646	15 491	15 976
1984 ---	16 597	16 980	17 300	17 883	18 455	18 884	18 213	17 775	17 499	17 252	17 316	16 508
1985 ---	15 862	18 571	18 642	18 103	18 098	17 999	17 412	17 319	16 976	16 848	16 395	15 667
1986 ---	14 899	15 718	15 158	14 701	14 645	14 254	14 217	14 682	14 224	13 881	13 987	13 674
1987 ---	13 274	13 579	13 440	13 874	14 170	14 574	14 565	14 174	13 836	13 851	13 832	13 301
1988 ---	13 405	13 817	13 366	13 780	13 940	13 959	13 941	14 472	13 621	13 399	13 418	12 883
1989 ---	13 015	12 843	12 637	12 681	12 608	11 950	11 732	11 929	11 843	11 853	12 043	11 439
1990 ---	11 337	11 390	11 237	11 539	11 786	11 150	11 785	11 327	11 853	11 467	11 463	10 474
1991 ---	10 779	10 847	10 790	10 696	11 188	11 089	11 133	11 150	10 866	10 584	10 339	9 215
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 495	16 498	16 216	17 185	16 746	16 165	15 931	15 416	15 079	15 199	14 755	15 390
1983 ---	15 157	14 513	14 646	14 871	14 780	15 204	15 114	14 825	15 812	16 033	15 914	16 236
1984 ---	16 602	16 966	17 435	17 606	18 011	18 249	18 002	17 790	17 701	17 540	17 661	16 872
1985 ---	16 000	18 565	18 819	17 897	17 713	17 455	17 200	17 216	17 090	17 036	16 595	16 068
1986 ---	15 132	15 725	15 331	14 586	14 372	14 321	14 385	14 512	14 257	13 968	14 029	14 052
1987 ---	13 546	13 598	13 642	13 811	13 924	14 017	14 020	13 953	13 822	13 884	13 768	13 668
1988 ---	13 709	13 893	13 619	13 735	13 704	13 811	13 731	14 214	13 572	13 371	13 271	13 365
1989 ---	13 329	12 957	12 918	12 653	12 391	11 864	11 541	11 704	11 778	11 796	11 857	11 802
1990 ---	11 618	11 532	11 505	11 512	11 573	11 093	11 599	11 110	11 773	11 384	11 248	10 837
1991 ---	11 056	11 001	11 050	10 672	10 979	11 047	10 945	10 936	10 785	10 500	10 127	9 543
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-1.7	-	-1.7	6.0	-2.6	-3.5	-1.4	-3.2	-2.2	8	-2.9	4.3
1983 ---	-1.5	-4.2	9	1.5	-6	2.9	-6	-1.9	6.7	1.4	-7	2.0
1984 ---	2.3	2.2	2.8	1.0	2.3	1.3	-1.4	-1.2	-5	-9	-7	-4.5
1985 ---	-5.2	16.0	1.4	-4.9	-1.0	-1.5	-1.5	1	-3	-3	-2.6	-3.2
1986 ---	-5.8	3.9	-2.5	-4.9	-1.5	-4	4	9	-1.8	-2.0	4	2
1987 ---	-3.6	.4	3	1.2	8	7	-	-5	-9	4	-8	-7
1988 ---	.3	1.3	-2.0	.9	-2	8	-6	3.5	-4.5	-1.5	-7	7
1989 ---	-3	-2.8	-3	-2.1	-2.1	-4.3	-2.7	1.4	6	2	5	-5
1990 ---	-1.6	-7	-2	1	5	-4.1	4.5	-4.1	6.0	-3.3	-1.2	-3.7
1991 ---	2.0	-5	.4	-3.4	2.9	6	-9	-1	-1.4	-2.6	-3.6	-5.8
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	32 677	32 934	33 289	33 766	34 015	33 567	33 533	33 382	33 203	33 407	33 811	34 031
1983 ---	34 529	35 130	35 515	35 909	36 338	36 486	37 703	38 938	38 892	39 605	39 812	40 024
1984 ---	41 186	42 771	43 671	44 331	46 127	46 040	46 606	46 876	46 392	45 495	44 515	43 203
1985 ---	44 537	44 782	44 512	44 148	44 209	43 546	43 563	42 999	43 218	43 049	42 348	42 604
1986 ---	42 999	43 276	43 464	43 321	42 930	43 502	43 712	43 318	42 885	41 950	42 075	42 075
1987 ---	41 765	41 801	41 797	42 140	42 296	42 755	43 399	43 190	43 448	43 892	43 574	43 998
1988 ---	44 876	45 540	46 448	46 643	46 727	46 711	47 101	46 834	46 601	46 682	46 298	45 768
1989 ---	46 052	46 206	45 613	45 173	43 978	43 802	43 556	43 528	42 963	42 706	42 462	42 829
1990 ---	43 556	43 894	43 727	43 898	44 039	43 950	43 890	44 068	43 318	43 347	42 290	42 938
1991 ---	43 045	44 922	44 249	45 081	44 690	42 986	43 471	42 721	41 897	41 752	41 433	41 625
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	32 924	32 891	33 253	33 619	33 645	33 285	33 214	33 012	33 184	33 702	34 355	34 640
1983 ---	34 779	35 130	35 438	35 765	35 881	36 180	37 252	38 412	38 832	39 988	40 494	40 796
1984 ---	41 530	42 855	43 590	44 132	45 445	45 626	45 926	46 239	46 285	45 885	45 258	43 970
1985 ---	44 931	44 882	44 392	44 006	43 680	43 282	43 043	42 618	43 132	43 358	42 973	43 300
1986 ---	43 349	43 340	43 314	43 174	42 492	43 258	43 203	42 938	43 250	43 189	42 510	42 716
1987 ---	42 104	41 816	41 611	41 871	41 934	42 510	42 903	42 958	43 489	43 822	44 151	44 646
1988 ---	45 260	45 486	46 200	46 195	46 343	46 424	46 592	46 627	46 725	47 044	46 858	46 444
1989 ---	46 396	46 024	45 341	44 744	43 683	43 590	43 178	43 348	43 143	43 064	43 007	43 513
1990 ---	43 888	43 621	43 410	43 374	43 736	43 763	43 550	43 901	43 548	43 696	42 797	43 612
1991 ---	43 343	44 661	43 952	44 515	44 392	42 805	43 166	42 561	42 141	42 077	41 937	42 307
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.6	-1	1.1	1.1	.1	-1.1	-2	-6	.5	1.6	1.9	.8
1983 ---	.4	1.0	.9	.9	.3	.8	3.0	3.1	1.1	3.0	1.3	.7
1984 ---	1.8	3.2	1.7	1.2	3.0	.4	.7	.7	.1	-.9	-1.4	-2.8
1985 ---	2.2	-1	-1.1	-.9	-.7	-1.0	-.5	-1.0	1.2	.5	-.9	.8
1986 ---	.1	-	-.1	-.3	-1.6	1.8	-.1	-.6	.7	-.1	-1.6	.5
1987 ---	-1.4	-.7	-.5	.6	.2	1.4	.9	.1	1.2	.8	.8	1.1
1988 ---	1.4	.5	1.6	-.3	.3	.2	.4	.1	.2	.7	-.4	-.9
1989 ---	-.1	-.8	-1.5	-1.3	-2.4	-.2	-.9	-.4	-.2	-.2	-.1	1.2
1990 ---	.9	-.6	-.5	-.1	.8	.1	-.5	.8	-.8	-.3	-2.1	1.9
1991 ---	-.6	3.0	-1.6	1.3	-.3	-3.6	.8	-1.4	-1.0	-.2	-.3	.9

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ELECTRICAL TRANSMISSION AND DISTRIBUTION EQUIPMENT AND INDUSTRIAL APPARATUS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 892	7 847	7 807	7 713	7 664	7 332	7 252	7 080	6 958	6 937	7 097	7 001
1983 ---	6 888	7 041	7 011	7 067	6 867	8 941	6 974	7 043	7 096	7 083	6 966	6 576
1984 ---	6 700	6 896	6 952	6 989	6 890	6 769	6 710	6 838	6 698	6 736	6 615	6 726
1985 ---	6 905	6 935	6 946	6 934	6 883	6 582	6 626	6 633	6 635	6 563	6 379	6 326
1986 ---	6 472	6 468	6 399	6 289	6 109	5 913	5 987	5 975	6 034	6 103	5 956	5 856
1987 ---	5 891	5 934	5 927	5 911	5 798	5 713	5 692	5 790	5 881	5 883	5 860	5 730
1988 ---	5 871	5 966	6 097	6 159	6 201	6 183	6 343	6 498	6 439	6 632	6 615	6 590
1989 ---	6 956	7 024	7 025	7 000	6 879	6 802	6 751	6 563	6 505	6 413	6 399	6 283
1990 ---	6 599	6 645	6 419	6 531	6 449	6 168	6 284	6 400	6 421	6 642	6 330	6 464
1991 ---	6 691	6 794	6 691	6 695	6 627	6 387	6 638	6 607	6 418	6 475	6 310	6 277
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 885	7 800	7 756	7 640	7 610	7 333	7 245	7 071	6 983	6 987	7 150	7 088
1983 ---	6 885	7 000	6 968	7 012	6 826	6 946	6 970	7 034	7 118	7 126	7 014	6 552
1984 ---	6 697	6 852	6 908	6 940	6 851	6 780	6 708	6 829	6 716	6 774	6 656	6 795
1985 ---	6 899	6 889	6 903	6 890	6 848	6 599	6 625	6 687	6 652	6 600	6 422	6 393
1986 ---	6 463	6 417	6 360	6 248	6 081	5 934	5 988	5 970	6 048	6 135	5 997	5 813
1987 ---	5 880	5 885	5 893	5 877	5 775	5 735	5 695	5 786	5 893	5 908	5 897	5 774
1988 ---	5 860	5 921	6 067	6 129	6 180	6 208	6 348	6 493	6 451	6 658	6 658	6 639
1989 ---	6 939	6 962	6 986	6 964	6 855	6 838	6 759	6 557	6 520	6 441	6 447	6 330
1990 ---	6 580	6 581	6 380	6 497	6 427	6 207	6 294	6 392	6 436	6 669	6 377	6 511
1991 ---	6 670	6 729	6 652	6 660	6 606	6 429	6 648	6 598	6 435	6 505	6 365	6 326
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-5	-1.1	-6	-1.5	-4	-3.6	-1.2	-2.4	-1.2	1	2.3	-9
1983 ---	-2.9	1.7	-5	.6	-2.7	1.8	.3	9	1.2	1	-1.6	-5.2
1984 ---	.7	2.3	.8	5	-1.3	-1.0	-1.1	1.8	-1.7	9	-1.7	2.1
1985 ---	1.5	-1	.2	-2	-6	-3.6	.4	9	-5	-8	-2.7	-5
1986 ---	1.1	-7	-9	-1.8	-2.7	-2.4	9	-3	1.3	14	-2.2	-1.4
1987 ---	-6	.1	.1	-3	-1.7	-7	-7	1.6	1.8	3	-2	-2.1
1988 ---	1.5	1.0	2.5	1.0	.8	5	2.3	2.3	-6	3.2	-	-3
1989 ---	4.5	.3	.3	-3	-1.6	-2	-1.2	-3.0	-6	-1.2	1	-1.8
1990 ---	3.9	-	-3.1	1.8	-1.1	-3.4	1.4	1.6	-7	3.6	-4.4	2.1
1991 ---	2.4	.9	-1.1	.1	-8	-2.7	3.4	-8	-2.5	1.1	-2.2	-6
<b>ELECTRIC LIGHTING AND WIRING EQUIPMENT—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	968	969	960	999	969	955	952	971	949	916	932	906
1983 ---	934	982	997	994	1 003	1 035	1 073	1 159	1 142	1 186	1 182	1 234
1984 ---	1 264	1 295	1 327	1 351	1 371	1 380	1 451	1 447	1 482	1 510	1 511	1 520
1985 ---	1 537	1 505	1 515	1 577	1 608	1 564	1 625	1 664	1 787	1 752	1 673	1 661
1986 ---	1 663	1 723	1 745	1 825	1 893	1 984	2 043	2 063	2 067	2 034	2 056	1 913
1987 ---	1 938	1 968	1 879	1 896	1 919	1 924	1 934	1 963	1 989	1 980	1 967	2 029
1988 ---	2 101	2 100	2 136	2 151	2 203	2 185	2 157	2 177	2 188	2 250	2 284	2 238
1989 ---	2 366	2 411	2 419	2 521	2 572	2 553	1 987	2 669	2 322	2 430	2 391	2 348
1990 ---	2 376	2 441	2 476	2 457	2 522	2 604	2 671	2 589	2 596	2 580	2 562	2 584
1991 ---	2 739	2 802	2 727	2 662	2 710	2 709	2 998	2 972	2 958	2 934	2 892	2 979
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	968	969	960	999	969	955	952	971	949	916	932	906
1983 ---	934	982	997	994	1 003	1 035	1 073	1 159	1 142	1 186	1 182	1 234
1984 ---	1 264	1 295	1 327	1 351	1 371	1 380	1 451	1 447	1 482	1 510	1 511	1 520
1985 ---	1 537	1 505	1 515	1 577	1 608	1 564	1 625	1 664	1 787	1 752	1 673	1 661
1986 ---	1 663	1 723	1 745	1 825	1 893	1 984	2 043	2 063	2 067	2 034	2 056	1 913
1987 ---	1 938	1 968	1 879	1 896	1 919	1 924	1 934	1 963	1 989	1 980	1 967	2 029
1988 ---	2 101	2 100	2 136	2 151	2 203	2 185	2 157	2 177	2 188	2 250	2 284	2 238
1989 ---	2 366	2 411	2 419	2 521	2 572	2 553	1 987	2 669	2 322	2 430	2 391	2 348
1990 ---	2 376	2 441	2 476	2 457	2 522	2 604	2 671	2 589	2 596	2 580	2 562	2 584
1991 ---	2 739	2 802	2 727	2 662	2 710	2 709	2 998	2 972	2 958	2 934	2 892	2 979
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	1.9	.1	-9	4.1	-3.0	-1.4	-3	2.0	-2.3	-3.5	1.7	-2.8
1983 ---	3.1	5.1	1.5	-3	.9	3.2	3.7	8.0	-1.5	3.9	-3	4.4
1984 ---	2.4	2.5	2.5	1.8	1.5	.7	5.1	-3	2.4	1.9	1	.6
1985 ---	1.1	-2.1	.7	4.1	2.0	-2.7	3.9	2.4	7.4	-2.0	-4.5	-7
1986 ---	.1	3.6	1.3	4.6	3.7	4.8	3.0	1.0	2	-1.6	1.1	-7.0
1987 ---	1.3	1.5	-4.5	.9	1.2	.3	5	1.5	1.3	-5	-7	3.2
1988 ---	3.5	-	1.7	.7	2.4	-8	-1.3	9	5	2.9	1.5	-2.0
1989 ---	5.7	1.9	.3	4.2	2.0	-7	-22.2	34.3	-13.0	4.7	-1.6	-1.8
1990 ---	1.2	2.7	1.4	-8	2.6	3.3	2.6	-31	-3	-6	-7	.9
1991 ---	6.0	2.3	-2.7	-2.4	1.8	-	10.7	-9	-5	-8	-1.4	3.0

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
COMMUNICATION EQUIPMENT—UNFILLED ORDERS												
Not Seasonally Adjusted—Millions of Dollars												
1982 ---	10 705	10 738	11 048	11 494	11 439	11 475	11 552	11 596	11 958	12 320	12 469	12 878
1983 ---	12 739	12 890	13 157	13 174	13 138	13 169	13 131	13 302	13 377	13 584	13 782	13 757
1984 ---	13 838	14 155	14 341	14 393	14 907	14 857	15 008	15 389	15 806	15 785	15 741	15 822
1985 ---	16 601	16 848	17 167	17 138	17 151	17 573	17 383	17 182	17 803	17 813	17 888	17 538
1986 ---	17 848	18 088	18 138	17 873	17 384	18 030	18 089	17 877	18 180	18 148	17 817	17 878
1987 ---	18 159	17 974	17 804	17 591	17 278	17 825	17 898	17 398	17 497	17 482	17 443	17 718
1988 ---	17 971	17 905	18 098	18 081	18 059	17 932	17 983	18 159	18 288	18 809	18 812	18 800
1989 ---	18 439	18 251	17 786	17 084	18 428	18 180	18 528	18 053	16 008	15 629	15 403	15 798
1990 ---	15 784	15 838	15 528	15 410	15 359	18 037	15 970	15 910	15 771	15 865	15 430	16 358
1991 ---	15 890	18 328	15 892	15 743	15 326	15 200	15 053	14 620	14 469	14 457	14 145	14 385
Seasonally Adjusted—Millions of Dollars												
1982 ---	10 688	10 705	10 897	11 483	11 408	11 478	11 585	11 637	11 976	12 344	12 517	12 711
1983 ---	12 718	12 850	13 082	13 131	13 100	13 171	13 172	13 347	13 391	13 610	13 847	13 781
1984 ---	13 820	14 118	14 246	14 343	14 870	14 959	15 052	15 443	15 615	15 617	15 818	15 858
1985 ---	16 589	16 812	17 049	17 081	17 119	17 582	17 413	17 253	17 608	17 828	17 760	17 564
1986 ---	17 839	18 058	18 015	17 822	17 375	18 051	18 103	17 943	18 180	18 157	17 855	17 900
1987 ---	18 147	17 946	17 505	17 557	17 301	17 857	17 907	17 451	17 499	17 497	17 450	17 728
1988 ---	17 947	17 864	18 019	18 059	18 115	17 976	17 973	18 209	18 295	18 634	18 789	18 616
1989 ---	18 401	18 185	17 726	17 072	16 507	16 207	16 506	16 088	16 021	15 665	15 365	15 814
1990 ---	15 718	15 553	15 480	15 403	15 455	16 087	15 942	15 945	15 789	15 905	15 388	16 383
1991 ---	15 943	16 237	15 852	15 739	15 418	15 247	15 024	14 646	14 485	14 497	14 104	14 410
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	1.3	.2	2.7	4.2	-.5	.6	.9	.4	2.9	3.1	1.4	1.5
1983 ---	.1	1.0	1.8	.4	-.2	.5	-	1.3	.3	1.6	1.7	-.4
1984 ---	.2	2.1	.9	.7	3.7	.6	.6	2.6	1.1	1.2	.1	.3
1985 ---	4.6	1.3	1.4	.2	.2	2.7	-1.0	-.9	2.1	1.2	-.4	-.1
1986 ---	1.6	1.2	-.2	-1.1	-2.5	3.9	.3	-.9	1.3	-.1	-1.7	-.3
1987 ---	1.4	-1.1	-2.5	.3	-1.5	3.2	.3	-2.5	.3	-	-.3	1.6
1988 ---	1.2	-.5	.9	.2	.3	-.8	-	1.3	.5	1.9	.8	-.9
1989 ---	-1.2	-1.2	-2.5	-3.7	-3.3	-1.8	1.8	-2.5	-.4	-2.2	-1.9	2.9
1990 ---	-.6	-1.1	-.5	-.5	.3	4.1	-.9	-	-1.0	.7	-3.3	6.5
1991 ---	-2.7	1.8	-2.4	-.7	-2.0	-1.1	-1.5	-2.5	-1.1	.1	-2.7	2.2
ELECTRONIC COMPONENTS—UNFILLED ORDERS												
Not Seasonally Adjusted—Millions of Dollars												
1982 ---	11 069	11 342	11 417	11 603	11 764	11 573	11 539	11 404	11 130	11 313	11 302	11 377
1983 ---	11 744	11 830	11 997	12 373	12 684	12 601	13 495	14 037	14 129	15 004	15 180	15 515
1984 ---	16 306	17 024	17 830	18 551	19 304	19 275	19 713	19 177	18 762	18 104	17 538	16 053
1985 ---	16 243	16 305	15 728	15 399	15 012	14 371	14 422	13 772	13 343	13 147	13 067	13 706
1986 ---	13 561	13 600	13 765	13 869	13 780	13 745	13 730	13 329	12 859	12 634	12 268	12 955
1987 ---	12 372	12 587	13 113	13 580	14 025	14 189	14 682	14 698	14 727	14 958	15 192	15 401
1988 ---	15 616	16 147	16 671	16 869	16 886	16 933	16 982	16 230	15 952	15 392	14 907	14 795
1989 ---	14 579	14 757	14 570	14 879	14 470	14 469	14 439	14 301	14 230	14 247	14 170	14 273
1990 ---	14 391	14 493	14 697	14 932	15 225	14 674	14 373	14 408	13 851	13 733	13 591	13 467
1991 ---	13 319	14 270	14 253	15 254	15 179	14 161	14 055	13 762	13 488	13 197	13 574	13 770
Seasonally Adjusted—Millions of Dollars												
1982 ---	11 269	11 376	11 388	11 374	11 473	11 350	11 301	11 258	11 251	11 496	11 579	11 723
1983 ---	11 960	11 889	11 962	12 147	12 355	12 367	13 160	13 859	14 292	15 252	15 567	15 982
1984 ---	16 619	17 141	17 764	18 216	18 796	18 928	19 151	18 934	18 983	18 423	18 008	16 536
1985 ---	16 578	16 437	15 642	15 113	14 617	14 102	13 971	13 619	13 493	13 395	13 440	14 112
1986 ---	13 874	13 706	13 670	13 581	13 428	13 471	13 290	13 206	12 986	12 892	12 642	13 330
1987 ---	12 670	12 674	13 003	13 260	13 678	13 884	14 238	14 588	14 891	15 273	15 676	15 846
1988 ---	15 999	16 217	16 523	16 412	16 471	16 552	16 540	16 132	16 154	15 720	15 380	15 228
1989 ---	14 921	14 786	14 430	14 437	14 113	14 133	14 124	14 236	14 429	14 549	14 616	14 702
1990 ---	14 712	14 482	14 556	14 453	14 844	14 332	14 110	14 362	14 061	14 024	14 016	13 876
1991 ---	13 588	14 240	14 118	14 745	14 804	13 831	13 826	13 722	13 702	13 475	13 997	14 190
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	.7	.9	.1	-.1	.9	-1.1	-.4	-.4	-.1	2.2	.7	1.2
1983 ---	2.0	-.6	.6	1.5	1.7	.1	6.4	5.3	3.1	6.7	2.1	2.7
1984 ---	4.0	3.1	3.6	2.5	3.2	.7	1.2	-.1	.3	-3.0	-2.3	-.8
1985 ---	.3	-.9	-4.8	-3.4	-3.3	-3.5	-.9	-2.5	-.9	-.7	.3	5.0
1986 ---	-1.7	-1.2	-.3	-.7	-.1	.3	-1.3	-.6	-1.6	-.8	-1.9	5.4
1987 ---	-5.0	-	2.6	2.0	3.2	1.5	2.5	2.5	2.1	2.6	2.6	1.1
1988 ---	1.0	1.4	1.9	-.7	.4	.5	-.1	-2.5	1	-2.7	-2.2	-1.0
1989 ---	-2.0	-.9	-2.4	-	-2.2	.1	-.1	.8	1.4	.8	.5	.6
1990 ---	-.1	-1.6	-.5	-.7	2.7	-3.4	-1.5	1.8	-2.1	-.3	-.1	-1.0
1991 ---	-2.1	4.8	-.9	4.4	.4	-6.6	-	-.8	-.1	-1.7	3.9	1.4

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TRANSPORTATION EQUIPMENT, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	121 884	123 407	125 210	125 896	123 783	122 022	121 313	118 994	118 849	120 420	119 733	126 314
1983	132 201	130 127	130 443	131 685	129 668	130 674	130 754	130 123	130 727	134 854	138 045	142 281
1984	144 260	146 249	153 180	153 284	151 695	150 457	151 050	148 949	148 036	147 285	149 567	152 890
1985	154 237	153 009	151 252	150 211	148 485	150 784	151 269	151 907	153 285	154 125	151 020	156 992
1986	160 649	161 563	166 593	165 641	163 619	159 715	159 357	156 428	157 975	157 689	159 663	161 845
1987	163 064	162 971	164 748	165 818	167 568	167 837	171 225	171 426	170 108	170 648	173 297	177 133
1988	182 092	185 342	186 733	189 487	187 104	189 863	192 083	194 362	196 966	200 843	203 086	211 678
1989	217 062	219 790	227 194	231 816	231 929	233 620	241 019	240 889	242 116	244 437	251 475	260 123
1990	262 669	262 307	267 901	268 547	268 868	266 370	267 393	265 752	267 619	271 582	269 895	275 338
1991	277 691	279 001	280 853	277 189	274 019	271 028	275 359	275 265	271 437	269 794	270 348	269 593
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	120 810	122 012	123 854	124 666	123 533	122 353	122 067	120 559	120 593	121 220	120 869	125 874
1983	130 953	128 468	128 662	129 983	129 280	131 021	131 643	131 897	132 953	136 282	139 817	141 630
1984	142 609	144 121	150 654	150 922	151 230	150 958	152 163	150 973	150 560	149 142	151 550	152 182
1985	152 492	150 837	148 725	147 792	147 943	151 309	152 530	154 214	155 900	156 367	152 848	156 212
1986	158 717	159 246	163 787	163 103	163 099	160 406	160 676	158 700	160 232	159 845	161 132	161 161
1987	161 313	160 834	162 129	163 658	167 167	168 620	172 452	173 744	171 886	172 634	174 252	176 603
1988	180 592	183 427	184 207	187 593	186 743	190 603	193 206	196 703	198 380	202 479	203 728	211 339
1989	216 004	218 383	224 808	230 119	231 510	234 177	241 871	243 125	243 125	245 637	251 776	259 917
1990	261 946	261 369	265 800	267 275	268 447	266 828	268 114	267 904	268 393	272 442	270 071	275 248
1991	277 246	278 481	279 048	276 093	273 583	271 363	275 996	277 400	272 177	270 597	270 518	269 367
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	2.4	1.0	1.5	.7	-.9	-1.0	-2	-1.2	-	5	-3	4.1
1983	4.0	-1.9	.2	1.0	-.5	1.3	5	2	.8	2.5	2.6	1.3
1984	.7	1.1	4.5	.2	.2	-.2	8	-.8	-.3	-.9	1.6	.4
1985	.2	-1.1	-1.4	-.6	.1	2.3	8	1.1	1.1	3	-2.3	2.2
1986	1.6	.3	2.9	-.4	-.1	-1.7	2	-1.2	1.0	-.2	.8	-.1
1987	1	-.3	.8	.9	2.1	9	2.3	7	-1.1	4	9	1.3
1988	2.3	1.6	.4	1.8	-.5	2.1	1.4	1.8	9	2.1	6	3.7
1989	2.2	1.1	2.9	2.4	.6	1.2	3.3	5	-.1	1.5	2.5	3.2
1990	.8	-.2	1.7	.6	4	-.6	5	-.1	2	1	-.9	1.9
1991	.7	.4	.2	-1.1	-.9	-.8	1.7	5	-1.9	-.6	-.1	-.4
<b>AIRCRAFT, MISSILES, SPACE VEHICLES, AND PARTS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	89 833	91 747	93 814	94 715	93 723	92 730	92 274	91 367	90 889	92 482	92 067	94 194
1983	98 288	97 238	97 951	98 725	96 680	98 024	97 214	96 187	96 932	100 573	101 766	106 179
1984	107 022	107 646	115 179	115 570	114 383	114 095	114 938	113 642	113 656	113 420	115 171	118 664
1985	119 987	118 908	118 060	117 883	116 812	119 185	119 653	120 807	122 312	123 663	121 429	128 216
1986	132 076	133 003	135 378	134 903	134 079	130 616	129 722	127 458	129 044	128 774	131 568	134 377
1987	135 504	135 378	135 981	136 476	137 148	136 018	139 085	139 682	138 912	140 000	141 267	145 622
1988	149 865	152 957	153 461	155 661	153 914	156 446	157 953	160 551	163 397	166 048	168 330	174 774
1989	180 300	182 162	189 608	194 972	195 331	196 395	204 080	205 011	206 869	208 968	216 122	223 610
1990	226 102	225 028	231 169	231 265	231 448	229 672	230 832	228 388	230 921	234 752	233 862	238 496
1991	239 906	241 735	244 176	241 083	237 092	234 608	239 288	238 454	235 000	233 864	235 220	235 014
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	89 028	90 635	92 662	93 554	93 277	92 666	92 895	92 918	92 587	93 418	93 142	93 698
1983	97 265	95 871	96 364	97 082	96 078	97 969	97 994	97 941	99 047	102 068	103 406	105 498
1984	105 676	106 026	112 965	113 325	113 626	114 130	115 958	115 675	116 036	115 244	117 030	117 917
1985	118 422	117 141	115 790	115 583	116 073	119 385	120 901	123 115	124 792	125 814	123 149	127 364
1986	130 231	131 022	132 816	132 490	133 402	131 048	131 078	129 775	131 221	130 804	132 934	133 605
1987	133 806	133 508	133 604	134 449	136 613	136 558	140 405	142 007	140 566	141 792	142 089	145 014
1988	148 429	151 274	151 193	153 938	153 456	156 991	159 156	162 861	164 689	167 475	168 821	174 044
1989	179 347	180 942	187 452	193 437	194 850	196 834	205 179	207 412	207 960	210 099	216 350	223 203
1990	225 281	223 976	229 017	229 903	230 977	230 080	231 845	230 791	231 858	235 590	233 982	238 202
1991	239 333	241 057	242 295	239 910	236 625	234 909	240 133	240 739	235 799	234 578	235 285	234 666
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	2.6	1.8	2.2	1.0	-.3	-.7	2	-	-.4	9	-.3	.6
1983	3.8	-1.4	.5	.7	-1.0	2.0	-.1	-.1	1.1	3.1	1.3	2.0
1984	.2	-.3	6.5	.3	.3	.4	16	-.2	3	-.7	1.5	.8
1985	.4	-1.1	-1.2	-.2	.4	2.9	1.3	1.8	1.4	.8	-2.1	3.4
1986	2.3	.6	1.4	-.2	.7	-1.8	-.1	-1.0	1.1	-.3	1.6	.5
1987	.2	-.2	.1	-.6	1.6	-.1	2.8	1.1	-1.0	.9	.2	2.1
1988	2.4	1.9	-.1	1.8	-.3	2.3	1.4	2.3	1.1	1.7	.8	3.3
1989	2.8	.9	3.6	3.2	.7	1.0	4.2	1.1	.3	1.0	3.0	3.2
1990	.9	-.6	2.3	.4	.5	-.4	.8	-.5	.5	1.6	-.7	1.8
1991	.5	.7	.5	-1.0	-1.4	-.7	2.2	.3	-2.1	-.5	.3	-.3

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>SHIPBUILDING AND TANKS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	22 320	22 360	22 263	22 670	21 997	21 437	20 847	20 318	20 262	20 135	19 975	24 207
1983	25 612	24 757	24 392	24 680	24 687	24 210	24 375	23 958	23 881	23 601	25 084	24 132
1984	24 377	25 365	24 902	24 640	24 697	24 054	23 579	23 205	23 001	22 766	23 662	23 368
1985	23 354	22 748	22 108	21 648	21 488	21 424	21 500	20 672	20 786	20 339	19 757	19 202
1986	18 558	18 258	20 610	20 142	19 508	19 292	19 785	19 564	19 643	18 974	18 361	17 837
1987	17 589	17 346	18 496	18 987	19 803	20 662	20 623	20 273	19 883	19 466	20 844	19 919
1988	20 770	20 760	21 694	22 230	22 028	22 451	22 732	22 419	22 134	23 521	23 579	25 693
1989	25 387	25 958	25 864	25 300	25 748	26 455	26 320	25 819	25 632	26 206	25 993	27 199
1990	27 218	28 191	28 177	28 258	28 201	28 055	28 134	29 227	28 894	28 897	28 513	29 353
1991	29 968	29 537	29 346	28 918	30 084	29 693	29 264	30 011	28 706	28 402	27 684	27 480
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	22 420	22 458	22 291	22 637	22 013	21 522	20 839	20 250	20 173	19 968	19 889	24 365
1983	25 693	24 825	24 422	24 683	24 704	24 271	24 348	23 896	23 791	23 453	24 982	24 283
1984	24 467	25 435	24 946	24 665	24 712	24 104	23 529	23 129	22 916	22 669	23 575	23 474
1985	23 429	22 807	22 157	21 692	21 501	21 454	21 444	20 604	20 710	20 265	19 672	19 309
1986	18 645	18 330	20 676	20 212	19 520	19 312	19 706	19 450	19 533	18 891	18 275	17 951
1987	17 680	17 438	18 578	19 083	19 815	20 667	20 517	20 154	19 780	19 401	20 773	20 021
1988	20 865	20 851	21 770	22 303	22 034	22 442	22 657	22 335	22 066	23 484	23 550	25 750
1989	25 440	26 021	25 918	25 355	25 753	26 403	26 091	25 557	25 408	26 089	25 924	27 417
1990	27 444	28 474	28 424	28 509	28 208	27 969	27 855	28 904	28 627	28 772	28 456	29 570
1991	30 195	29 820	29 580	29 123	30 081	29 620	29 068	29 798	28 530	28 325	27 658	27 611
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	2.4	.2	-.7	1.6	-2.8	-2.2	-3.2	-2.8	-.4	-1.0	-.4	22.5
1983	5.5	-3.4	-1.6	1.1	.1	-1.8	.3	-1.9	-.4	-1.4	6.5	-2.8
1984	.8	4.0	-1.9	-1.1	2	-2.5	-2.4	-1.7	-.9	-1.1	4.0	-.4
1985	-.2	-2.7	-2.9	-2.1	-.9	-.2	-.3	-.9	.5	-2.1	-2.9	-1.8
1986	-3.4	-1.7	12.8	-2.2	-3.4	-1.1	2.0	-1.3	.4	-3.3	-3.3	-1.8
1987	-1.5	-1.4	6.5	2.7	3.8	4.3	-.7	-1.8	-1.9	-1.9	7.1	-3.6
1988	4.2	-.1	4.4	2.4	-1.2	1.9	1.0	-1.4	-1.2	6.4	.3	9.3
1989	-1.2	2.3	-.4	-2.2	1.6	2.5	-1.2	-2.0	-.6	2.7	-.6	5.8
1990	.1	3.8	-.2	.3	-1.1	-.8	-.4	3.8	-1.0	.5	-1.1	3.9
1991	2.1	-1.2	-.8	-1.5	3.3	-1.5	-1.9	2.5	-4.3	-.7	-2.4	-.2
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	30 941	31 688	33 295	34 084	33 696	34 027	34 243	34 859	35 540	35 854	36 317	37 193
1983	37 931	38 485	38 624	38 932	39 210	39 328	39 532	39 571	39 802	40 027	40 011	40 651
1984	41 798	42 856	44 249	44 221	45 210	45 753	46 140	47 618	48 707	49 251	49 477	50 115
1985	53 358	53 640	55 204	55 724	56 382	57 498	57 715	58 106	59 492	59 697	59 450	60 171
1986	61 512	62 102	63 508	63 119	63 078	63 336	63 608	63 212	64 044	64 543	63 643	64 008
1987	64 068	63 798	63 483	64 477	64 006	64 542	64 782	64 575	65 480	65 686	65 749	65 737
1988	65 995	66 236	65 615	63 303	64 665	63 144	62 569	61 459	61 273	60 781	61 345	63 863
1989	63 897	64 214	63 450	62 950	62 227	62 408	61 443	60 051	61 301	61 477	62 539	63 669
1990	64 021	63 786	63 853	63 964	63 887	63 866	63 661	62 875	62 682	62 858	62 166	61 454
1991	61 059	61 416	60 294	59 104	59 148	58 734	59 329	59 008	58 645	58 924	57 823	56 940
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	30 810	31 462	32 925	33 809	33 461	34 011	34 412	35 067	35 695	36 101	36 727	37 506
1983	37 785	38 189	38 162	38 608	38 933	39 291	39 688	39 758	39 866	40 281	40 554	40 992
1984	41 718	42 566	43 636	43 867	44 929	45 730	46 366	47 859	48 697	49 466	50 163	50 472
1985	53 296	53 401	54 392	55 287	56 080	57 471	58 011	58 553	59 497	59 821	60 074	60 477
1986	61 490	61 910	62 592	62 637	62 818	63 332	63 932	63 855	64 257	64 664	64 049	63 996
1987	64 015	63 508	62 769	64 032	63 810	64 524	65 061	65 378	65 955	65 978	65 886	65 401
1988	65 841	65 744	65 124	63 002	64 533	63 074	62 783	62 263	61 891	61 214	61 380	63 325
1989	63 612	63 611	63 146	62 788	62 180	62 292	61 545	60 789	61 924	61 963	62 585	63 115
1990	63 616	63 216	63 650	63 938	63 872	63 754	63 669	63 543	63 331	63 289	62 309	60 961
1991	60 631	60 858	60 137	59 150	59 152	58 649	59 261	59 548	59 215	59 245	58 030	56 565
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	1.7	2.1	4.7	2.7	-1.0	1.6	1.2	1.9	1.8	1.1	1.7	2.1
1983	.7	1.1	-.1	1.2	.8	.9	1.0	.2	.3	1.0	.7	1.1
1984	1.8	2.0	2.5	.5	2.4	1.8	1.4	3.2	1.8	1.6	1.4	.6
1985	5.6	.2	1.9	1.6	1.4	2.5	.9	.9	1.6	.5	.4	.7
1986	1.7	.7	1.1	.1	-.3	.8	.9	-.1	.6	.6	-1.0	-.1
1987	-.8	-.8	-1.2	2.0	-.3	1.1	.8	.5	.9	-.1	-.1	-.7
1988	.7	-.1	-.9	-3.3	2.4	-2.3	-.5	-.8	-.6	-1.1	.3	3.2
1989	.5	-.7	-.7	-.6	-1.0	.2	-1.2	-1.2	1.9	.1	1.0	.8
1990	.8	-.6	.7	.5	-.1	-.2	-.1	-.2	-.3	-.1	-1.5	-2.2
1991	-.5	.4	-1.2	-1.6	-.1	-.9	1.0	.5	-.6	.1	-2.1	-2.5

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>SEARCH AND NAVIGATION EQUIPMENT—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	22 114	22 548	23 887	24 519	24 277	24 713	24 979	25 511	26 091	26 421	26 872	27 862
1983 ---	28 364	28 716	28 771	28 919	29 118	28 765	28 764	28 740	28 914	29 200	29 215	29 722
1984 ---	30 583	31 678	32 884	32 767	33 407	33 727	34 040	35 249	36 418	36 834	36 933	37 506
1985 ---	40 482	40 718	42 362	42 742	43 462	44 335	44 381	44 736	46 249	46 541	46 389	46 736
1986 ---	47 868	48 541	50 045	49 788	49 692	50 013	50 241	49 968	50 413	50 946	50 288	50 739
1987 ---	50 606	50 434	50 077	50 966	50 552	50 702	50 594	50 380	51 088	51 449	51 607	51 465
1988 ---	51 417	51 602	50 794	48 491	49 657	47 932	47 110	46 102	45 963	45 299	45 540	47 459
1989 ---	47 809	48 276	47 277	46 713	45 826	45 424	44 437	43 069	43 249	43 191	44 376	45 372
1990 ---	45 407	44 997	44 926	45 047	45 111	45 089	44 835	44 150	43 883	43 717	43 142	42 670
1991 ---	42 089	42 577	41 380	40 518	40 523	40 254	40 722	40 585	40 325	40 339	39 459	38 954
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	21 941	22 308	23 509	24 251	24 041	24 719	25 204	25 775	26 259	26 654	27 234	28 114
1983 ---	28 180	28 403	28 305	28 599	28 842	28 754	28 997	29 008	29 000	29 427	29 708	30 003
1984 ---	30 469	31 369	32 271	32 410	33 123	33 725	34 349	35 558	36 436	37 023	37 560	37 797
1985 ---	40 393	40 458	41 549	42 299	43 160	44 336	44 773	45 246	46 287	46 639	46 955	46 974
1986 ---	47 818	48 317	49 127	49 298	49 433	50 045	50 662	50 661	50 670	51 046	50 627	50 655
1987 ---	50 529	50 110	49 359	50 517	50 359	50 733	50 982	51 230	51 636	51 721	51 665	51 409
1988 ---	51 231	51 070	50 297	48 191	49 528	47 920	47 413	46 935	46 649	45 718	45 497	46 835
1989 ---	47 493	47 626	46 966	46 554	45 784	45 376	44 615	43 821	43 949	43 667	44 343	44 747
1990 ---	44 969	44 373	44 713	45 029	45 107	45 041	44 895	44 825	44 597	44 142	43 221	42 132
1991 ---	41 635	41 968	41 213	40 572	40 538	40 235	40 705	41 126	40 952	40 655	39 617	38 540
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	2.2	1.7	5.4	3.2	-9	2.8	2.0	2.3	1.9	1.5	2.2	3.2
1983 ---	.2	.8	-3	1.0	.8	-3	.8	-	-	1.5	1.0	1.0
1984 ---	1.6	3.0	2.9	.4	2.2	1.8	1.9	3.5	2.5	1.6	1.5	.6
1985 ---	6.9	.2	2.7	1.8	2.0	2.7	1.0	1.1	2.3	.8	.7	-
1986 ---	1.8	1.0	1.7	.3	.3	1.2	1.2	-	-	.7	-8	.1
1987 ---	-2	-8	-1.5	2.3	-3	.7	.5	.5	.8	.2	-1	-1.2
1988 ---	.4	-3	-1.5	-4.2	2.8	-3.2	-1.1	-1.0	-6	-2.0	-5	2.9
1989 ---	1.4	.3	-1.4	-9	-1.7	-9	-1.7	-1.8	-3	-6	1.5	9
1990 ---	.5	-1.3	.8	.7	2	-1	-3	-2	-5	-1.0	-2.1	-2.5
1991 ---	-1.2	.8	-1.8	-1.6	-1	-7	1.2	1.0	-4	-7	-2.6	-2.7
<b>MEASURING AND CONTROLLING DEVICES—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 720	4 889	5 029	5 097	5 019	4 967	4 918	4 961	5 036	5 023	5 017	4 918
1983 ---	5 063	5 157	5 217	5 335	5 367	5 600	5 686	5 689	5 760	5 755	5 779	5 843
1984 ---	5 972	5 931	6 023	6 089	6 296	6 423	6 413	6 563	6 544	6 640	6 719	6 762
1985 ---	6 894	6 909	6 798	6 863	6 791	6 895	6 960	6 988	6 958	6 919	6 847	7 071
1986 ---	7 079	6 992	6 967	6 852	6 848	6 792	6 736	6 683	6 869	6 865	6 735	6 661
1987 ---	6 717	6 584	6 551	6 546	6 472	6 585	6 670	6 667	6 671	6 636	6 623	6 671
1988 ---	6 814	6 901	7 021	7 051	7 178	7 274	7 427	7 438	7 416	7 586	7 802	8 103
1989 ---	8 083	7 951	8 123	8 096	8 238	8 128	8 149	8 195	8 290	8 394	8 383	8 681
1990 ---	8 715	8 784	8 826	8 869	8 886	8 866	8 864	8 852	8 745	8 890	8 887	8 891
1991 ---	8 966	9 004	9 146	9 009	9 005	9 042	8 990	8 893	8 737	8 751	8 822	8 816
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 720	4 889	5 029	5 097	5 019	4 967	4 918	4 961	5 036	5 023	5 017	4 918
1983 ---	5 063	5 157	5 217	5 335	5 367	5 600	5 686	5 689	5 760	5 755	5 779	5 843
1984 ---	5 972	5 931	6 023	6 089	6 296	6 423	6 413	6 563	6 544	6 640	6 719	6 762
1985 ---	6 894	6 909	6 798	6 863	6 791	6 895	6 960	6 988	6 958	6 919	6 847	7 071
1986 ---	7 079	6 992	6 967	6 852	6 848	6 792	6 736	6 683	6 869	6 865	6 735	6 661
1987 ---	6 717	6 584	6 551	6 546	6 472	6 585	6 670	6 667	6 671	6 636	6 623	6 671
1988 ---	6 814	6 901	7 021	7 051	7 178	7 274	7 427	7 438	7 416	7 586	7 802	8 103
1989 ---	8 083	7 951	8 123	8 096	8 238	8 128	8 149	8 195	8 290	8 394	8 383	8 681
1990 ---	8 715	8 784	8 826	8 869	8 886	8 866	8 864	8 852	8 745	8 890	8 887	8 891
1991 ---	8 966	9 004	9 146	9 009	9 005	9 042	8 990	8 893	8 737	8 751	8 822	8 816
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.8	3.6	2.9	1.4	-1.5	-1.0	-1.0	.9	1.5	-3	-1	-2.0
1983 ---	2.9	1.9	1.2	2.3	.6	4.3	1.5	.1	1.2	-1	.4	1.1
1984 ---	2.2	-7	1.6	1.1	3.4	2.0	-2	2.3	1.2	1.5	1.2	.6
1985 ---	2.0	.2	-1.6	1.0	-1.0	1.5	.9	.4	-4	-6	-1.0	3.3
1986 ---	1	-1.2	-4	-1.7	-4	-8	-8	-8	2.8	-1	-1.9	-1.1
1987 ---	8	-2.0	-5	-1	-1.1	1.7	1.3	-	1	-5	-2	.7
1988 ---	2.1	1.3	1.7	.4	1.8	2.1	2.1	.1	-3	2.3	2.8	3.9
1989 ---	-2	-1.6	2.2	-3	1.8	-1.3	.3	.6	1.2	1.3	-1	3.6
1990 ---	.4	.8	.5	5	2	-2	-	-1	-1.2	1.7	-	-
1991 ---	.8	.4	1.6	-1.5	-	.4	-6	-1.1	-1.8	.2	8	-1

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MEDICAL INSTRUMENTS AND SUPPLIES—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 369	3 494	3 597	3 650	3 598	3 565	3 533	3 568	3 626	3 620	3 620	3 552
1983 ---	3 649	3 708	3 743	3 820	3 834	3 993	4 045	4 038	4 080	4 068	4 077	4 113
1984 ---	4 218	4 203	4 283	4 344	4 506	4 613	4 621	4 744	4 746	4 831	4 904	4 952
1985 ---	5 070	5 102	5 042	5 111	5 079	5 178	5 248	5 291	5 290	5 282	5 249	5 442
1986 ---	5 499	5 484	5 516	5 478	5 527	5 536	5 544	5 556	5 765	5 819	5 768	5 762
1987 ---	5 878	5 830	5 868	5 932	5 934	6 106	6 255	6 325	6 401	6 440	6 501	6 622
1988 ---	6 694	6 707	6 754	6 711	6 764	6 784	6 858	6 800	6 712	6 799	6 925	7 123
1989 ---	6 863	6 850	6 839	6 942	6 952	7 563	7 648	7 621	8 472	8 685	8 626	8 439
1990 ---	8 720	8 853	8 901	8 815	8 686	8 784	8 883	8 822	8 903	9 171	9 064	8 917
1991 ---	8 976	8 846	8 793	8 585	8 607	8 335	8 487	8 500	8 554	8 846	8 654	8 194
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 369	3 494	3 597	3 650	3 598	3 565	3 533	3 568	3 626	3 620	3 620	3 552
1983 ---	3 649	3 708	3 743	3 820	3 834	3 993	4 045	4 038	4 080	4 068	4 077	4 113
1984 ---	4 218	4 203	4 283	4 344	4 506	4 613	4 621	4 744	4 746	4 831	4 904	4 952
1985 ---	5 070	5 102	5 042	5 111	5 079	5 178	5 248	5 291	5 290	5 282	5 249	5 442
1986 ---	5 499	5 484	5 516	5 478	5 527	5 536	5 544	5 556	5 765	5 819	5 768	5 762
1987 ---	5 878	5 830	5 868	5 932	5 934	6 106	6 255	6 325	6 401	6 440	6 501	6 622
1988 ---	6 694	6 707	6 754	6 711	6 764	6 784	6 858	6 800	6 712	6 799	6 925	7 123
1989 ---	6 863	6 850	6 839	6 942	6 952	7 563	7 648	7 621	8 472	8 685	8 626	8 439
1990 ---	8 720	8 853	8 901	8 815	8 686	8 784	8 885	8 822	8 903	9 171	9 064	8 917
1991 ---	8 976	8 846	8 793	8 585	8 607	8 335	8 487	8 500	8 554	8 846	8 654	8 194
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.9	3.7	2.9	1.5	-1.4	-9	-9	1.0	1.6	-2	-	-1.9
1983 ---	2.7	1.6	.9	2.1	4	4.1	1.3	-2	1.0	-3	2	.9
1984 ---	2.6	-.4	1.9	1.4	3.7	2.4	2	2.7	-	1.8	1.5	1.0
1985 ---	2.4	.6	-1.2	1.4	-6	1.9	-2	8	-	-2	-6	3.7
1986 ---	1.0	-.3	.6	-.7	9	2	1.4	1	3.8	.9	-.9	-.1
1987 ---	2.0	-.8	.7	1.1	-	2.9	1	2	1.2	6	.9	1.9
1988 ---	1.1	-.2	.7	-.6	8	3	2.4	-.8	-1.3	1.3	1.9	2.9
1989 ---	-3.7	-.2	-.2	1.5	1	8.8	1.1	-4	11.2	2.5	-.7	-2.2
1990 ---	3.3	1.5	.5	-1.0	-1.5	1.1	1.1	-.7	.9	3.0	-1.2	-1.6
1991 ---	.7	-1.4	-.6	-2.4	.3	-3.2	1.8	2	.6	3.4	-2.2	-5.3
<b>ALL OTHER DURABLE GOODS INDUSTRIES—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 396	5 591	6 165	6 218	6 359	6 228	6 306	6 215	5 932	5 476	4 907	4 492
1983 ---	4 656	4 840	5 329	5 833	6 289	6 435	6 911	6 972	6 550	6 501	6 033	5 521
1984 ---	6 115	6 614	7 093	7 863	8 187	7 630	8 183	7 818	7 097	6 495	5 676	5 420
1985 ---	6 762	7 218	7 762	7 827	7 731	7 419	7 501	7 047	6 371	5 763	5 259	4 943
1986 ---	5 770	5 987	6 400	6 739	6 893	6 741	6 847	6 772	6 434	6 073	5 814	5 548
1987 ---	6 207	6 480	7 297	7 356	7 561	7 482	7 697	7 633	7 465	7 556	7 152	6 463
1988 ---	7 025	7 546	7 747	8 156	8 174	7 915	7 879	7 853	7 545	7 087	6 648	6 260
1989 ---	7 176	7 434	8 111	8 556	8 559	8 265	8 485	8 199	8 002	7 715	7 207	6 691
1990 ---	7 063	7 139	7 622	8 048	8 358	8 092	8 378	8 255	8 046	7 610	7 260	6 679
1991 ---	6 780	6 829	7 008	7 586	7 697	7 254	7 791	7 599	7 484	7 133	6 755	6 650
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 975	5 912	6 143	5 794	5 824	5 834	5 723	5 688	5 833	5 720	5 547	5 607
1983 ---	5 223	5 109	5 282	5 457	5 734	6 011	6 258	6 385	6 470	6 838	6 810	6 771
1984 ---	6 899	6 983	6 885	7 133	7 306	7 014	7 321	7 167	7 055	6 877	6 315	6 572
1985 ---	7 697	7 598	7 329	7 090	6 929	6 811	6 741	6 526	6 350	6 064	5 836	5 878
1986 ---	6 376	6 240	6 095	6 200	6 259	6 288	6 234	6 347	6 387	6 393	6 539	6 636
1987 ---	6 750	6 735	7 013	6 893	6 972	7 106	7 103	7 219	7 345	7 825	7 959	7 574
1988 ---	7 574	7 890	7 495	7 600	7 528	7 524	7 273	7 434	7 398	7 269	7 257	7 299
1989 ---	7 789	7 836	7 926	7 974	7 855	7 860	7 822	7 750	7 840	7 951	7 945	7 812
1990 ---	6 657	7 564	7 578	7 589	7 719	7 767	7 760	7 799	7 850	7 783	8 048	7 760
1991 ---	7 358	7 287	6 992	7 116	7 066	6 940	7 193	7 155	7 295	7 331	7 544	7 928
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.8	-1.1	3.9	-5.7	.5	.2	-1.9	-.6	2.5	-1.9	-3.0	1.1
1983 ---	-6.8	-2.2	3.4	3.3	5.1	4.8	4.1	2.0	1.3	5.7	-.4	-.6
1984 ---	1.9	1.2	-1.4	3.6	2.4	-4.0	4.4	-2.1	-1.6	-2.5	-8.2	4.1
1985 ---	17.1	-1.3	-3.5	-3.3	-2.3	-1.7	-1.0	-3.2	-2.7	-4.5	-3.8	.7
1986 ---	8.5	-2.1	-2.3	1.7	1.0	.5	-.9	1.8	.6	1	2.3	1.5
1987 ---	1.7	-.2	4.1	-1.7	1.1	1.9	-.	1.6	1.7	6.5	1.7	-4.8
1988 ---	-.	4.2	-5.0	1.4	-.9	-.1	-3.3	2.2	-.5	-1.7	-.2	.6
1989 ---	6.7	.6	1.1	.6	-1.5	1	-.5	-.9	1.2	1.4	-.1	-1.7
1990 ---	-2.0	-1.2	.2	.1	1.7	.6	-.1	.5	.7	-.9	3.4	-3.6
1991 ---	-5.2	-1.0	-4.0	1.8	-.7	-1.8	3.6	-.5	2.0	.5	2.9	5.1

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 761	11 325	11 296	11 386	11 164	10 795	10 603	10 505	10 578	10 442	10 479	10 782
1983 ---	11 153	11 319	12 013	12 508	12 791	12 914	13 334	13 578	13 843	13 871	13 735	13 721
1984 ---	14 365	14 853	14 898	15 068	15 073	14 734	15 063	14 445	14 087	13 696	13 310	13 398
1985 ---	13 844	13 872	13 948	14 030	14 150	14 204	14 665	14 415	14 481	14 451	14 002	14 503
1986 ---	14 824	15 112	15 360	15 714	15 860	15 696	15 929	15 693	16 168	16 189	15 999	16 164
1987 ---	16 945	18 108	19 058	19 795	19 680	19 953	21 116	21 243	21 331	21 369	20 826	20 741
1988 ---	21 082	21 570	21 812	21 632	21 487	21 486	22 109	22 049	21 920	21 405	21 180	21 132
1989 ---	21 468	21 590	22 206	22 046	21 967	22 392	22 459	22 554	22 418	21 621	21 020	20 856
1990 ---	21 118	21 482	22 249	22 262	22 196	22 150	21 896	22 586	22 576	21 905	21 311	21 119
1991 ---	21 184	21 441	22 096	21 995	22 912	22 453	22 725	23 228	23 526	22 958	22 575	22 541
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 816	11 313	11 208	11 109	10 922	10 745	10 461	10 439	10 579	10 549	10 847	11 090
1983 ---	11 207	11 335	11 919	12 216	12 523	12 871	13 097	13 478	13 843	14 008	14 239	14 159
1984 ---	14 528	14 934	14 742	14 710	14 738	14 638	14 700	14 301	14 064	13 829	13 847	13 880
1985 ---	14 017	13 905	13 765	13 720	13 887	14 138	14 284	14 229	14 422	14 603	14 545	15 070
1986 ---	15 060	15 138	15 122	15 360	15 598	15 619	15 514	15 483	16 063	16 316	16 588	16 790
1987 ---	17 256	18 172	18 732	19 385	19 383	19 899	20 590	20 881	21 085	21 518	21 545	21 687
1988 ---	21 598	21 716	21 452	21 237	21 222	21 374	21 602	21 616	21 565	21 545	21 824	21 953
1989 ---	21 983	21 784	21 854	21 694	21 709	22 302	22 018	22 074	21 990	21 767	21 639	21 681
1990 ---	21 693	21 752	21 926	21 967	21 923	22 028	21 507	22 052	22 044	22 043	21 964	21 983
1991 ---	21 813	21 719	21 768	21 725	22 571	22 309	22 342	22 639	22 936	23 110	23 280	23 423
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-2	-4.3	-9	-9	-1.7	-1.6	-2.6	-2	1.3	-3	2.8	2.2
1983 ---	1.1	1.1	5.2	2.5	2.5	2.8	1.8	2.9	2.7	1.2	1.6	-6
1984 ---	2.6	2.8	-1.3	-2	-2	-7	-4	-2.7	-1.7	-1.7	.1	.2
1985 ---	1.0	-8	-1.0	-3	1.2	1.8	1.0	-4	1.4	1.3	-4	3.6
1986 ---	-1	.5	-1	1.6	1.5	.1	-7	-2	3.7	1.6	1.7	1.2
1987 ---	2.8	5.3	3.1	3.5	-	2.7	3.5	1.4	1.0	2.1	.1	.7
1988 ---	-4	.5	-1.2	-1.0	-1	-7	1.1	-2	-2	-1	1.3	.6
1989 ---	.1	-9	.3	-7	.1	2.7	-1.3	3	-4	-1.0	-6	.2
1990 ---	.1	.3	.8	.2	-2	.5	-2.4	2.5	-	-	-4	.1
1991 ---	-8	-4	.2	-2	3.9	-1.2	.1	1.3	1.3	.8	.7	.6
<b>AUTOMOTIVE EQUIPMENT—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 821	1 747	1 727	1 621	1 531	1 483	1 554	1 411	1 499	1 524	1 511	1 580
1983 ---	1 671	1 662	1 637	1 674	1 675	1 718	1 856	2 039	2 013	2 185	2 279	2 425
1984 ---	2 559	2 626	2 564	2 567	2 492	2 414	2 476	2 404	2 286	2 224	2 132	2 181
1985 ---	2 207	2 282	2 233	2 260	2 065	2 073	2 077	2 170	2 152	2 134	2 080	2 033
1986 ---	2 119	2 201	2 249	2 227	2 121	2 099	2 143	2 072	2 068	2 187	2 170	2 154
1987 ---	2 223	2 284	2 269	2 274	2 290	2 353	2 377	2 381	2 380	2 345	2 343	2 393
1988 ---	2 372	2 383	2 384	2 381	2 295	2 242	2 282	2 236	2 199	2 202	2 190	2 208
1989 ---	2 198	2 208	2 200	2 123	1 991	1 972	1 957	1 887	1 839	1 800	1 810	1 828
1990 ---	1 838	1 823	1 791	1 820	1 821	1 719	1 720	1 701	1 660	1 621	1 551	1 508
1991 ---	1 557	1 581	1 579	1 592	1 578	1 523	1 556	1 584	1 787	1 773	1 721	1 675
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 749	1 673	1 682	1 614	1 567	1 545	1 581	1 424	1 524	1 529	1 541	1 563
1983 ---	1 612	1 591	1 594	1 661	1 715	1 787	1 881	2 050	2 050	2 198	2 327	2 406
1984 ---	2 483	2 512	2 496	2 540	2 548	2 499	2 502	2 411	2 327	2 246	2 176	2 172
1985 ---	2 161	2 192	2 176	2 128	2 103	2 133	2 087	2 176	2 188	2 160	2 121	2 031
1986 ---	2 090	2 123	2 192	2 190	2 151	2 147	2 145	2 078	2 099	2 222	2 210	2 155
1987 ---	2 203	2 217	2 209	2 229	2 315	2 400	2 374	2 396	2 420	2 390	2 385	2 395
1988 ---	2 350	2 323	2 320	2 332	2 314	2 283	2 275	2 250	2 232	2 243	2 229	2 212
1989 ---	2 179	2 163	2 143	2 077	2 003	2 007	1 947	1 896	1 865	1 827	1 841	1 838
1990 ---	1 829	1 796	1 749	1 782	1 830	1 749	1 710	1 701	1 681	1 637	1 575	1 519
1991 ---	1 555	1 562	1 542	1 558	1 586	1 550	1 547	1 582	1 811	1 793	1 748	1 689
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.4	-4.3	.5	-4.0	-2.9	-1.4	2.3	-9.9	7.0	.3	.8	1.4
1983 ---	3.1	-1.3	.2	4.2	3.3	4.2	5.3	9.0	-	7.2	5.9	3.4
1984 ---	3.2	1.2	-6	1.8	.3	-1.9	.1	-3.6	-3.5	-3.5	-3.1	-2
1985 ---	-5	1.4	-7	-2.2	-1.2	1.4	-2.2	4.3	.6	-1.3	-1.8	-4.2
1986 ---	2.9	1.6	3.3	-1	-1.8	-2	-1	-3.1	1.0	5.9	-5	-2.5
1987 ---	2.2	.6	-4	.9	3.9	3.7	-1.1	.9	1.0	-1.2	-2	.4
1988 ---	-1.9	-1.1	-1	.5	-8	-1.3	-4	-1.1	-8	.5	-6	-8
1989 ---	-1.5	-7	-9	-3.1	-3.6	2	-3.0	-2.6	-1.6	-2.0	.8	-2
1990 ---	-5	-1.8	-2.6	1.9	2.7	-4.4	-2.2	-5	-1.2	-2.6	-3.8	-3.6
1991 ---	2.4	.5	-1.3	1.0	1.8	-2.3	-2	2.3	14.5	-1.0	-2.5	-3.4

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOME GOODS AND APPAREL—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 848	4 811	5 345	5 481	5 888	5 951	5 995	5 882	5 422	4 870	4 653	4 608
1983 ---	4 967	5 290	5 570	5 893	6 640	6 729	7 278	7 554	6 936	6 280	5 845	5 769
1984 ---	6 522	7 301	7 797	8 461	9 239	8 624	9 081	8 971	8 052	6 811	5 686	5 572
1985 ---	7 153	7 716	8 198	8 167	8 375	8 230	8 492	8 311	7 633	6 862	5 971	5 745
1986 ---	6 870	6 988	7 596	7 799	8 095	7 744	7 863	7 946	7 743	7 148	6 600	5 969
1987 ---	6 802	7 527	8 367	8 508	8 700	8 256	8 856	8 826	8 604	8 350	7 828	7 148
1988 ---	8 178	9 040	9 088	9 195	8 990	8 803	8 870	8 720	8 365	7 628	7 013	6 609
1989 ---	7 949	8 286	8 936	9 200	9 201	8 912	9 222	8 962	8 739	8 317	7 687	7 383
1990 ---	8 254	8 642	8 847	8 971	9 096	8 997	9 220	9 404	9 505	8 705	8 290	7 706
1991 ---	8 131	8 464	8 909	9 289	9 518	9 329	9 457	9 718	9 856	9 309	8 571	8 438
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 473	5 125	5 392	5 220	5 350	5 449	5 312	5 198	5 190	5 221	5 529	5 787
1983 ---	5 559	5 580	5 562	5 661	6 016	6 204	6 479	6 658	6 654	6 810	6 919	7 135
1984 ---	7 270	7 648	7 623	7 906	8 212	7 914	8 067	7 949	7 725	7 361	6 624	6 895
1985 ---	8 054	8 029	7 743	7 588	7 469	7 589	7 607	7 528	7 411	7 346	6 852	6 980
1986 ---	7 465	7 136	7 233	7 396	7 355	7 282	7 146	7 299	7 535	7 641	7 626	7 347
1987 ---	7 319	7 604	7 939	8 053	8 030	7 875	8 139	8 210	8 350	8 781	9 003	8 709
1988 ---	8 732	9 124	8 615	8 598	8 295	8 393	8 182	8 174	8 131	7 985	7 947	7 983
1989 ---	8 512	8 348	8 487	8 614	8 512	8 488	8 526	8 434	8 498	8 756	8 813	8 876
1990 ---	8 827	8 698	8 487	8 467	8 483	8 635	8 609	8 880	9 190	9 103	9 513	9 150
1991 ---	8 746	8 594	8 582	8 776	8 875	8 923	8 871	9 185	9 506	9 699	9 799	10 076
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-3.4	-6.4	5.2	-3.2	2.5	1.9	-2.5	-2.1	-2	.6	5.9	4.7
1983 ---	-3.9	.4	-3	1.8	6.3	3.1	4.4	2.8	-1	2.3	1.6	3.1
1984 ---	1.9	5.2	-3	3.7	3.9	-3.6	1.9	-1.5	-2.8	-4.7	-10.0	4.1
1985 ---	16.8	-3	-3.6	-2.0	-1.6	1.6	.2	-1.0	-1.6	-9	-6.7	1.9
1986 ---	6.9	-4.4	1.4	2.3	-6	-1.0	-1.9	2.1	3.2	1.4	-2	-3.7
1987 ---	-4	3.9	4.4	1.4	-3	-1.9	3.4	.9	1.7	5.2	2.5	-3.3
1988 ---	.3	4.5	-5.6	-2	-3.5	1.2	-2.5	-1	-5	-1.8	-7	.5
1989 ---	6.6	-1.9	1.7	1.5	-1.2	-3	.4	-1.1	.8	3.0	4.5	-3.8
1990 ---	-6	-1.5	-2.4	-2	.2	1.8	-3	3.1	3.5	-9	4.5	-3.8
1991 ---	-4.4	-1.7	-1	2.3	1.1	.5	-6	3.5	3.5	2.0	1.0	2.8
<b>CONSUMER STAPLES—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 204	1 168	1 155	1 129	1 064	1 052	1 024	1 058	1 096	1 101	1 039	1 103
1983 ---	1 181	1 123	1 115	1 118	1 080	1 045	1 069	1 072	1 123	1 088	1 024	1 025
1984 ---	1 066	1 095	1 005	1 010	997	1 036	1 019	1 012	1 046	1 029	999	1 071
1985 ---	1 120	1 150	1 060	1 034	1 078	1 082	1 099	1 039	1 119	1 119	1 101	1 176
1986 ---	1 231	1 270	1 300	1 251	1 253	1 182	1 202	1 173	1 187	1 177	1 141	1 178
1987 ---	1 236	1 223	1 231	1 249	1 184	1 150	1 185	1 212	1 184	1 155	1 143	1 167
1988 ---	1 142	1 273	1 305	1 328	1 277	1 261	1 314	1 291	1 292	1 322	1 333	1 457
1989 ---	1 423	1 322	1 335	1 295	1 362	1 445	1 408	1 456	1 437	1 389	1 418	1 472
1990 ---	1 410	1 366	1 370	1 338	1 235	1 288	1 292	1 339	1 338	1 288	1 283	1 298
1991 ---	1 289	1 262	1 277	1 220	1 154	1 269	1 329	1 351	1 344	1 357	1 307	1 285
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 139	1 114	1 143	1 122	1 084	1 084	1 037	1 062	1 075	1 100	1 094	1 140
1983 ---	1 116	1 067	1 106	1 109	1 095	1 076	1 081	1 082	1 110	1 087	1 077	1 047
1984 ---	1 011	1 043	998	999	1 005	1 068	1 029	1 025	1 040	1 031	1 049	1 083
1985 ---	1 071	1 099	1 051	1 017	1 081	1 116	1 109	1 057	1 116	1 126	1 151	1 177
1986 ---	1 184	1 224	1 289	1 225	1 255	1 223	1 214	1 192	1 185	1 189	1 185	1 167
1987 ---	1 197	1 189	1 222	1 224	1 186	1 183	1 198	1 227	1 180	1 169	1 176	1 144
1988 ---	1 113	1 250	1 300	1 309	1 290	1 298	1 328	1 292	1 280	1 340	1 356	1 418
1989 ---	1 393	1 310	1 336	1 288	1 386	1 488	1 423	1 444	1 416	1 406	1 431	1 427
1990 ---	1 384	1 364	1 379	1 343	1 261	1 317	1 304	1 320	1 313	1 300	1 286	1 257
1991 ---	1 266	1 266	1 290	1 232	1 181	1 297	1 338	1 324	1 315	1 372	1 308	1 244
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	2.3	-2.2	2.6	-1.8	-3.4	-	-4.3	2.4	1.2	2.3	-5	4.2
1983 ---	-2.1	-4.4	3.7	.3	-1.3	-1.7	.5	.1	2.6	-2.1	-9	-2.8
1984 ---	-3.4	3.2	-4.3	.1	.6	6.3	-3.7	-4	1.5	-9	1.7	3.2
1985 ---	-1.1	2.6	-4.4	-3.2	6.3	3.2	-6	-4.7	5.6	.9	2.2	2.3
1986 ---	.6	3.4	5.3	-5.0	2.4	-2.5	-7	-1.8	.6	.3	-3	-1.5
1987 ---	2.6	.7	2.8	.2	-3.1	.3	1.3	2.4	-3.8	-9	.6	-2.7
1988 ---	-2.7	12.3	4.0	.7	-1.5	.6	2.3	-2.7	-9	4.7	1.2	4.6
1989 ---	-1.8	-6.0	2.0	-3.6	7.6	7.4	-4.4	1.5	-1.9	-7	1.8	-3
1990 ---	-3.0	-1.4	1.1	-2.6	-6.1	4.4	-1.0	1.2	-5	-1.0	-1.1	-2.3
1991 ---	.7	-	1.9	-4.5	-4.1	9.8	3.2	-1.0	-7	4.3	-4.7	-4.9

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MACHINERY AND EQUIPMENT—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	128 893	127 678	126 697	126 256	122 316	119 518	117 780	114 523	112 639	111 973	110 146	108 523
1983 ---	108 819	106 209	104 674	104 288	103 543	103 182	102 346	102 079	102 547	104 639	104 262	102 891
1984 ---	105 239	107 004	108 336	108 904	111 219	111 680	112 961	112 603	111 184	110 932	110 118	107 903
1985 ---	108 192	110 302	110 575	109 896	108 883	109 237	108 653	107 854	109 347	110 042	108 162	110 280
1986 ---	110 811	111 714	111 393	110 384	109 666	109 038	108 412	107 324	107 408	107 805	107 795	108 153
1987 ---	109 751	110 634	110 176	110 828	114 106	116 267	119 156	120 197	119 852	120 558	122 061	124 598
1988 ---	128 782	132 582	133 968	136 036	135 650	137 370	141 006	145 563	147 250	148 013	151 337	157 597
1989 ---	163 746	168 084	170 855	175 777	178 074	182 931	188 219	188 574	188 939	189 608	192 634	200 069
1990 ---	204 061	203 401	207 952	208 756	209 427	209 230	213 154	212 090	213 574	218 670	217 901	223 158
1991 ---	225 722	226 806	227 243	224 816	221 272	216 706	220 100	218 508	216 764	215 248	216 551	213 861
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	128 605	127 186	126 285	125 545	121 810	119 268	117 604	114 578	113 047	112 497	110 732	109 196
1983 ---	108 700	105 902	104 411	103 775	103 064	102 880	102 165	102 071	102 880	105 116	104 813	103 624
1984 ---	105 253	106 734	108 093	108 372	110 653	111 270	112 762	112 554	111 491	111 418	110 632	108 655
1985 ---	108 305	110 040	110 372	109 444	108 334	108 859	108 441	107 772	109 608	110 504	108 597	111 002
1986 ---	110 958	111 453	111 170	110 018	109 228	108 805	108 208	107 168	107 550	108 185	108 115	108 809
1987 ---	109 886	110 426	110 043	110 556	113 705	116 131	118 934	120 045	120 003	120 980	122 378	125 185
1988 ---	128 825	132 356	133 813	135 678	135 252	137 326	140 850	145 474	147 451	148 461	151 679	158 137
1989 ---	163 653	167 808	170 686	175 352	177 674	182 894	187 942	188 376	188 976	189 909	192 890	200 747
1990 ---	204 116	203 401	208 052	208 593	209 056	209 179	212 805	211 808	213 497	218 875	218 119	223 822
1991 ---	225 794	226 868	227 389	224 659	220 904	216 661	219 809	218 322	216 762	215 486	216 828	214 466
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.2	-1.1	-.7	-.6	-3.0	-2.1	-1.4	-2.6	-1.3	-.5	-1.6	-1.4
1983 ---	-.5	-2.6	-1.4	-.6	-.7	-.2	-.7	-.1	.8	2.2	-.3	-1.1
1984 ---	1.6	1.4	1.3	.3	2.1	1.1	1.3	-.2	-.9	-1.1	-.7	-1.8
1985 ---	-.3	1.6	.3	-.8	-1.0	.5	-.4	-.6	1.7	.8	-1.7	2.2
1986 ---	-.4	-.4	-.3	-1.0	-.7	-.4	-.5	-1.0	.4	.6	-.1	.6
1987 ---	1.0	.5	-.3	.5	2.8	2.1	2.4	.9	-.8	.8	1.2	2.3
1988 ---	2.9	2.7	1.1	1.4	-.3	1.5	2.6	3.3	1.4	.7	2.2	4.3
1989 ---	3.5	2.5	1.7	2.7	1.3	2.9	2.8	.2	.3	.5	1.6	4.1
1990 ---	1.7	-.4	2.3	.3	.2	.1	1.7	-.5	.8	2.5	-.3	2.6
1991 ---	.9	.5	.2	-1.2	-1.7	-1.9	1.5	-.7	-.7	-.6	.6	-1.1
<b>BUSINESS SUPPLIES—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 901	5 911	6 043	5 881	5 745	5 592	5 481	5 494	5 437	5 265	5 092	5 054
1983 ---	5 138	5 110	5 168	5 165	5 134	5 164	5 271	5 332	5 311	5 157	5 078	5 056
1984 ---	5 121	5 272	5 176	5 208	5 185	5 279	5 291	5 296	5 199	5 056	5 021	5 051
1985 ---	5 210	5 277	5 196	5 127	5 187	5 163	5 264	5 185	5 144	5 066	5 002	5 080
1986 ---	5 244	5 372	5 344	5 202	5 168	5 108	5 190	5 096	5 197	5 095	5 026	5 026
1987 ---	5 160	5 342	5 404	5 370	5 270	5 373	5 716	5 876	5 894	5 843	5 847	5 859
1988 ---	5 934	6 050	6 040	6 079	6 120	6 099	6 336	6 475	6 559	6 428	6 416	6 367
1989 ---	6 325	6 212	6 289	6 282	6 225	6 221	6 246	6 205	6 141	6 044	6 071	5 904
1990 ---	5 972	5 938	6 108	6 139	6 172	6 097	6 192	6 446	6 344	6 162	6 071	5 912
1991 ---	6 069	6 074	5 917	5 857	6 007	5 879	5 986	5 997	6 037	5 772	5 746	5 756
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 891	5 837	5 983	5 809	5 701	5 586	5 424	5 406	5 424	5 352	5 218	5 208
1983 ---	5 129	5 034	5 121	5 117	5 107	5 167	5 208	5 241	5 307	5 238	5 205	5 211
1984 ---	5 118	5 188	5 129	5 173	5 168	5 297	5 223	5 209	5 192	5 129	5 147	5 169
1985 ---	5 197	5 182	5 148	5 110	5 194	5 202	5 198	5 106	5 126	5 121	5 116	5 172
1986 ---	5 225	5 278	5 299	5 192	5 189	5 171	5 134	5 028	5 165	5 133	5 116	5 106
1987 ---	5 146	5 274	5 367	5 359	5 297	5 454	5 661	5 787	5 830	5 859	5 911	5 953
1988 ---	5 947	6 000	6 018	6 074	6 153	6 196	6 287	6 354	6 444	6 423	6 462	6 468
1989 ---	6 369	6 213	6 296	6 275	6 218	6 302	6 203	6 079	6 013	6 035	6 109	5 999
1990 ---	6 036	5 984	6 139	6 137	6 124	6 156	6 150	6 303	6 188	6 147	6 111	6 053
1991 ---	6 150	6 152	5 966	5 849	5 929	5 924	5 935	5 861	5 884	5 763	5 785	5 892
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	1.6	-.9	2.5	-2.9	-1.9	-2.0	-2.9	-.3	.3	-1.3	-2.5	-.2
1983 ---	-1.5	-1.9	1.7	-.1	-.2	1.2	.8	.6	1.3	-1.3	-.6	.1
1984 ---	-1.8	1.4	-1.1	.9	-.1	2.5	-1.4	-.3	-.3	-1.2	-.4	.4
1985 ---	.5	-.3	-.7	-.7	1.6	.2	-.1	-1.8	-.4	-.1	-.1	1.1
1986 ---	1.0	1.0	.4	-2.0	-.1	-.3	-.7	-2.1	2.7	-.6	-.3	-.2
1987 ---	.8	2.5	1.8	-.1	-1.2	3.0	3.8	2.2	.7	.5	.9	.7
1988 ---	-.1	.9	.3	.9	1.3	.7	1.5	1.1	1.4	-.3	.6	-.1
1989 ---	-1.5	-2.4	1.3	-.3	-.9	1.4	-1.6	-2.0	-1.1	.4	1.2	-1.8
1990 ---	.6	-.9	2.6	-.2	-.2	.5	-.1	2.5	-1.8	-.7	-.6	-.9
1991 ---	1.6	-.2	-3.0	-2.0	1.4	-.1	.2	-1.2	.4	-2.1	.4	1.8

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CONSTRUCTION MATERIALS AND SUPPLIES—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 637	14 506	14 754	14 464	14 240	13 900	13 775	13 382	13 203	12 828	12 342	11 634
1983 ---	11 794	12 016	12 561	12 556	12 483	12 554	12 555	12 646	12 557	12 504	12 490	12 294
1984 ---	12 591	12 985	13 358	13 415	13 444	13 236	13 251	13 491	13 158	12 880	12 489	12 735
1985 ---	12 938	13 245	13 338	13 462	13 454	13 285	13 217	13 187	13 241	13 089	12 648	12 761
1986 ---	13 024	13 633	13 607	13 541	13 572	13 578	13 652	13 634	13 523	13 192	13 162	13 397
1987 ---	13 369	13 595	13 631	13 614	13 671	13 590	13 710	13 858	13 752	13 613	13 676	13 924
1988 ---	14 263	14 566	14 943	14 746	14 797	14 754	14 642	14 542	14 419	14 299	14 270	14 286
1989 ---	14 516	14 724	14 679	14 686	14 706	14 477	13 590	13 815	13 324	13 156	13 009	13 322
1990 ---	13 530	13 437	13 471	13 586	13 579	13 520	13 625	13 574	13 735	13 492	13 189	13 255
1991 ---	13 303	13 261	13 433	13 556	13 663	13 684	14 335	14 287	14 246	14 017	13 683	13 877
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 901	14 552	14 525	14 212	13 981	13 695	13 611	13 290	13 227	13 019	12 579	11 980
1983 ---	12 036	12 034	12 342	12 326	12 247	12 379	12 412	12 570	12 595	12 731	12 762	12 672
1984 ---	12 821	12 944	13 086	13 136	13 185	13 068	13 121	13 415	13 210	13 134	13 138	13 100
1985 ---	13 154	13 175	13 079	13 200	13 203	13 133	13 112	13 126	13 317	13 375	13 073	13 100
1986 ---	13 192	13 512	13 337	13 286	13 335	13 438	13 564	13 586	13 624	13 489	13 474	13 660
1987 ---	13 488	13 468	13 388	13 375	13 446	13 472	13 640	13 827	13 871	13 934	14 009	14 129
1988 ---	14 335	14 444	14 697	14 505	14 570	14 637	14 556	14 617	14 531	14 617	14 612	14 452
1989 ---	14 566	14 645	14 466	14 467	14 497	14 373	13 492	13 792	13 403	13 408	13 303	13 448
1990 ---	13 572	13 425	13 310	13 396	13 393	13 433	13 514	13 548	13 793	13 727	13 490	13 375
1991 ---	13 343	13 283	13 297	13 386	13 490	13 597	14 210	14 244	14 277	14 229	13 978	14 004
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-2.0	-2.3	-2	-2.2	-1.6	-2.0	-6	-2.4	-5	-1.6	-3.4	-4.8
1983 ---	.5	-	2.6	-1	-6	1.1	.3	1.3	.2	1.1	.2	-7
1984 ---	1.2	1.0	1.1	.4	-4	-9	.4	2.2	-1.5	-6	-	-3
1985 ---	.4	.2	-7	.9	-	-5	-2	.1	1.5	.4	-2.3	.2
1986 ---	.7	2.4	-1.3	-4	.4	.8	.9	.2	.3	-1.0	-1	1.4
1987 ---	-1.3	-1	-6	-1	.5	.2	1.2	1.4	.3	.5	.5	.9
1988 ---	1.5	.8	1.8	-1.3	.4	.5	-6	.4	-6	.6	-	-1.1
1989 ---	.8	.5	-1.2	-	.2	-9	-6.1	2.2	-2.8	-	-8	1.1
1990 ---	.9	-1.1	-9	.6	-	.3	.6	.3	1.8	-5	-1.7	-9
1991 ---	-2	-4	.1	.7	.8	.8	4.5	.2	2	-3	-1.8	.2
<b>DEFENSE PRODUCTS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	75 697	78 426	81 120	83 006	82 855	83 047	82 376	82 354	82 687	84 687	85 439	92 523
1983 ---	97 495	98 114	99 861	101 765	101 084	101 940	101 862	100 423	101 836	104 372	107 378	111 984
1984 ---	113 318	115 303	122 900	122 091	121 204	120 449	119 875	119 961	122 333	122 869	126 837	131 305
1985 ---	136 349	135 501	136 921	137 029	137 177	139 125	139 656	140 561	142 189	142 212	141 789	145 236
1986 ---	148 926	149 641	154 766	154 094	152 570	150 392	150 106	148 090	149 929	148 395	149 864	151 795
1987 ---	151 477	150 447	151 686	153 082	152 321	151 718	151 562	150 699	151 501	152 042	153 798	154 969
1988 ---	155 562	156 118	155 935	153 819	153 559	152 447	150 556	147 537	147 668	149 391	149 705	153 993
1989 ---	153 632	153 043	155 064	153 973	150 705	148 478	147 210	144 265	146 448	146 595	150 727	152 163
1990 ---	151 943	152 198	152 650	151 460	150 717	148 959	146 947	144 855	145 616	144 655	143 026	143 205
1991 ---	142 810	142 783	141 501	139 346	139 768	138 563	138 707	138 809	136 544	136 909	134 467	136 023
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	74 787	77 088	79 608	81 647	82 138	83 001	83 252	84 237	84 519	86 005	86 779	92 246
1983 ---	96 322	96 430	97 840	99 905	100 176	101 911	102 942	102 527	104 116	106 047	109 323	111 498
1984 ---	111 849	113 347	120 115	119 649	120 156	120 550	121 313	122 402	124 717	124 866	129 094	130 702
1985 ---	134 616	133 404	133 858	134 464	136 146	139 434	141 449	143 491	144 684	144 465	143 875	144 392
1986 ---	146 887	147 339	151 315	151 416	151 689	151 000	152 053	151 231	152 345	150 567	151 405	150 621
1987 ---	149 512	148 131	148 617	150 828	151 682	152 456	153 430	154 000	153 699	154 183	154 571	153 564
1988 ---	153 713	153 745	153 177	152 012	153 113	153 177	152 208	150 796	149 658	151 392	150 072	152 552
1989 ---	152 083	150 972	152 642	152 515	150 378	149 075	148 608	147 495	148 216	148 310	150 830	150 671
1990 ---	150 413	150 310	150 342	150 311	150 475	149 523	148 114	147 999	147 238	146 038	143 135	141 958
1991 ---	141 515	141 274	139 502	138 439	139 539	139 042	139 626	141 702	137 944	138 090	134 624	134 892
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	3.5	3.1	3.3	2.6	.6	1.1	.3	1.2	.3	1.8	.9	6.3
1983 ---	4.4	.1	1.5	2.1	.3	1.7	1.0	-4	1.5	1.9	3.1	2.0
1984 ---	.3	1.3	6.0	-4	.4	.3	.6	.9	1.9	.1	3.4	1.2
1985 ---	3.0	-9	.3	.5	1.3	2.4	1.4	1.4	.8	-2	-4	.4
1986 ---	1.7	.3	2.7	.1	.2	-5	.7	-5	.7	-1.2	.6	-5
1987 ---	-7	-9	.3	1.5	.6	.5	.6	.4	-2	.3	.3	-7
1988 ---	.1	-	-4	-8	.7	-	-6	-9	-8	1.2	-9	1.7
1989 ---	-3	-7	1.1	-1	-1.4	-9	-3	-7	.5	.1	1.7	-1
1990 ---	-2	-1	-	-1	-6	-9	-9	-1	-5	-8	-2.0	-8
1991 ---	-3	-2	-1.3	-8	.8	-4	.4	1.5	-2.7	.1	-2.5	2

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>OTHER MATERIALS, SUPPLIES, AND INTERMEDIATE PRODUCTS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	95 171	94 055	93 457	92 200	90 520	87 914	87 084	85 187	84 262	83 424	82 805	83 608
1983 ---	85 593	88 148	89 709	90 477	90 754	91 705	93 887	95 910	96 393	98 983	100 351	102 035
1984 ---	106 648	109 883	112 265	113 811	113 412	111 024	111 995	110 747	108 578	106 259	104 582	104 026
1985 ---	105 487	106 499	106 088	105 210	103 518	102 982	102 987	102 838	101 828	101 403	100 090	101 534
1986 ---	103 422	105 785	106 763	105 605	103 585	102 106	101 858	101 177	101 236	101 001	100 728	102 756
1987 ---	103 673	105 156	107 844	109 750	109 815	111 168	113 846	114 496	114 885	115 738	115 469	117 127
1988 ---	120 395	122 485	124 072	125 095	125 431	125 244	126 661	126 923	126 551	126 468	125 589	126 487
1989 ---	128 711	130 321	131 596	131 490	129 675	128 753	129 465	127 718	126 360	124 689	124 556	125 027
1990 ---	126 840	127 749	129 147	130 712	131 161	129 111	129 372	128 607	127 444	126 060	124 129	122 629
1991 ---	123 396	124 214	124 301	124 479	124 780	122 900	126 126	126 410	124 958	122 768	122 350	121 350
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	94 607	92 685	91 652	90 547	89 657	87 967	87 037	85 443	85 269	84 788	84 595	84 769
1983 ---	85 313	86 999	87 925	88 772	89 807	91 762	93 702	96 106	97 582	100 702	102 796	103 679
1984 ---	106 461	108 494	109 859	111 456	112 123	110 910	111 521	110 820	109 815	108 030	107 066	105 748
1985 ---	105 597	105 388	103 976	103 126	102 388	102 849	102 503	102 940	102 966	103 086	102 373	103 233
1986 ---	103 679	104 717	104 615	103 524	102 530	101 876	101 196	101 210	102 269	102 608	102 936	104 538
1987 ---	104 042	104 236	105 771	107 608	108 648	110 929	113 021	114 531	116 028	117 734	118 030	119 208
1988 ---	120 835	121 523	121 788	122 745	124 030	124 722	125 584	126 876	127 625	128 549	128 187	128 720
1989 ---	129 204	129 531	129 468	129 287	128 234	128 203	128 327	127 542	127 190	126 405	126 700	127 106
1990 ---	127 391	127 328	127 454	128 806	129 810	128 587	128 241	128 331	128 193	127 733	126 228	124 677
1991 ---	123 951	123 965	122 845	122 765	123 554	122 376	124 998	126 020	125 608	124 305	124 366	123 368
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-1.8	-2.0	-1.1	-1.2	-1.0	-1.9	-1.1	-1.8	-2	-6	-2	2
1983 ---	6	2.0	1.1	1.0	1.2	2.2	2.1	2.6	1.5	3.2	2.1	9
1984 ---	2.7	1.9	1.3	1.5	6	-1.1	6	-6	-9	-1.6	-9	-1.2
1985 ---	-1	-2	-1.3	-8	-7	5	-3	4	-	1	-7	8
1986 ---	4	1.0	-1	-1.0	-1.0	-6	-7	-	1.0	3	3	1.6
1987 ---	-5	2	1.5	1.7	1.0	2.1	1.9	1.3	1.3	1.5	3	1.0
1988 ---	1.4	6	2	8	1.0	6	7	1.0	6	7	-3	4
1989 ---	4	3	-	-1	-8	-	1	-6	-3	-6	2	3
1990 ---	2	-	1	1.1	8	-9	-3	1	-1	-4	-1.2	-1.2
1991 ---	-6	-	-9	-1	6	-1.0	2.1	8	-3	-1.0	-	-8
<b>NONDEFENSE CAPITAL GOODS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	142 503	140 762	139 474	139 069	134 908	131 602	129 575	126 134	123 807	123 539	121 678	120 587
1983 ---	120 797	117 958	115 969	115 457	114 860	114 200	112 921	112 427	113 224	115 742	115 083	113 779
1984 ---	116 227	118 088	119 690	120 437	122 427	122 662	123 828	123 553	122 431	122 123	121 085	118 901
1985 ---	118 937	121 488	121 746	120 550	119 070	119 094	118 426	117 908	119 472	120 342	118 479	120 025
1986 ---	120 498	121 692	121 577	120 160	119 040	117 933	117 141	116 218	116 308	116 810	117 087	117 844
1987 ---	119 355	120 199	119 664	120 566	123 769	125 849	129 165	130 433	130 023	131 192	133 036	135 645
1988 ---	140 975	145 067	146 155	148 632	148 262	150 370	154 037	162 890	164 320	167 485	173 252	178 552
1989 ---	180 323	184 778	187 835	192 737	194 957	199 259	206 455	206 904	206 406	207 192	211 384	218 960
1990 ---	223 032	222 525	226 743	228 044	228 634	228 132	232 484	231 740	233 288	237 792	236 880	241 966
1991 ---	245 045	246 546	246 981	244 222	240 441	236 378	241 434	240 439	238 060	235 806	237 472	234 602
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	141 997	140 174	139 027	138 327	134 453	131 486	129 552	126 376	124 314	124 053	122 199	121 083
1983 ---	120 499	117 564	115 653	114 918	114 436	114 063	112 949	112 627	113 681	116 204	115 550	114 282
1984 ---	116 044	117 702	119 360	119 874	121 911	122 416	123 893	123 706	122 884	122 597	121 482	119 424
1985 ---	118 856	121 063	121 420	120 061	118 597	118 918	118 488	117 998	119 873	120 772	118 751	120 549
1986 ---	120 474	121 243	121 253	119 791	118 716	117 931	117 215	116 211	116 589	117 169	117 223	118 322
1987 ---	119 312	119 761	119 441	120 319	123 499	125 964	129 217	130 412	130 324	131 609	133 122	136 055
1988 ---	140 807	144 558	145 920	148 308	148 003	150 600	154 142	160 372	163 234	164 825	167 598	173 630
1989 ---	179 998	184 187	187 614	192 400	194 741	199 532	206 440	206 766	206 529	207 470	211 327	219 415
1990 ---	222 775	222 212	226 836	228 031	228 512	228 437	232 413	231 497	233 278	237 959	236 774	242 409
1991 ---	244 803	246 318	247 126	244 219	240 313	236 650	241 384	240 278	238 113	236 057	237 480	235 027
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-6	-1.3	-8	-5	-2.8	-2.2	-1.5	-2.5	-1.6	-2	-1.5	-9
1983 ---	-5	-2.4	-1.6	-6	-4	-3	-1.0	-3	9	2.2	-6	-1.1
1984 ---	1.5	1.4	1.4	4	1.7	4	1.2	-2	-7	-2	-9	-1.7
1985 ---	-5	1.9	3	-1.1	-1.2	3	-4	-4	1.6	7	-1.7	1.5
1986 ---	-1	6	-	-1.2	-9	-7	-6	-9	3	5	-	2
1987 ---	8	4	-3	7	2.6	2.0	2.6	9	-1	1.0	1.1	2.2
1988 ---	3.5	2.7	9	1.6	-2	1.8	2.4	4.0	1.8	1.0	1.7	3.6
1989 ---	3.7	2.3	1.9	2.6	1.2	2.5	3.5	2	-1	5	1.9	3.8
1990 ---	1.5	-3	2.1	5	2	-	1.7	-4	8	2.0	-5	2.4
1991 ---	1.0	6	3	-1.2	-1.6	-1.5	2.0	-5	-9	-9	6	-1.0

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDEFENSE CAPITAL GOODS, EXCLUDING AIRCRAFT—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	95 563	94 155	91 904	91 297	88 329	85 264	83 012	80 070	77 853	77 905	76 366	74 795
1983 ---	74 282	73 461	73 532	73 632	73 666	73 231	72 325	72 141	73 566	75 390	75 172	74 533
1984 ---	75 942	76 937	77 723	77 961	79 097	79 120	79 402	79 285	78 432	78 176	77 678	76 481
1985 ---	76 371	79 765	80 488	79 743	78 810	78 372	77 868	77 377	77 584	77 480	77 293	76 089
1986 ---	76 132	77 319	76 220	74 756	73 440	73 261	72 637	72 733	72 603	71 870	71 616	70 591
1987 ---	71 084	71 820	71 186	71 720	72 243	73 488	74 162	74 358	74 408	74 754	75 329	75 363
1988 ---	77 875	79 213	79 808	80 458	80 629	79 574	80 344	82 262	82 647	82 794	83 283	82 373
1989 ---	84 120	85 392	85 154	85 057	84 665	86 546	85 706	84 506	84 616	83 238	83 344	82 627
1990 ---	83 931	84 173	82 945	83 069	83 130	82 383	83 615	82 942	82 926	83 183	82 315	81 683
1991 ---	83 062	82 956	80 855	80 099	79 867	77 510	77 753	77 235	77 291	76 294	75 600	74 663
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	95 057	93 567	91 457	90 555	87 874	85 148	82 989	80 312	78 360	78 419	76 887	75 291
1983 ---	73 984	73 067	73 216	73 093	73 242	73 094	72 353	72 341	74 023	75 852	75 639	75 038
1984 ---	75 759	76 551	77 393	77 398	78 581	78 874	79 467	79 438	78 885	78 650	78 075	77 004
1985 ---	76 290	79 340	80 162	79 254	78 337	78 196	77 830	77 467	77 985	77 910	77 565	76 613
1986 ---	76 108	76 870	75 896	74 387	73 116	73 259	72 711	72 726	72 884	72 229	71 752	71 089
1987 ---	71 041	71 382	70 963	71 473	71 973	73 603	74 214	74 337	74 709	75 171	75 451	75 773
1988 ---	77 707	78 704	79 573	80 134	80 370	79 804	80 449	82 268	82 991	83 299	83 396	82 751
1989 ---	83 795	84 801	84 934	84 719	84 449	86 819	85 691	84 368	84 740	83 516	83 287	83 082
1990 ---	83 675	83 859	83 038	83 057	83 008	82 686	83 545	82 699	82 916	83 350	82 209	82 125
1991 ---	82 820	82 729	81 000	80 096	79 739	77 782	77 703	77 074	77 344	76 544	75 608	75 088
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-1.2	-1.6	-2.3	-1.0	-3.0	-3.1	-2.5	-3.2	-2.4	.1	-2.0	-2.1
1983 ---	-1.7	-1.2	.2	-2	.2	-2	-1.0	-	2.3	2.5	-3	-8
1984 ---	1.0	1.0	1.1	-	1.5	.4	.8	-	-7	-3	-7	-1.4
1985 ---	-9	4.0	1.0	-1.1	-1.2	-2	-3	-6	.7	-1	-4	-1.2
1986 ---	-7	1.0	-1.3	-2.0	-1.7	.2	-7	-	.2	-9	-7	-1.0
1987 ---	-	.5	-6	.7	.7	2.3	.8	.2	.5	.6	.3	.5
1988 ---	2.6	1.3	1.1	.7	.3	-7	.8	2.3	.9	.4	.1	-8
1989 ---	1.3	1.2	.2	-3	-3	2.8	-1.3	-1.5	.4	-1.4	-3	-2
1990 ---	.7	.2	-1.0	-	-1	-4	1.0	-1.0	.3	.5	-1.4	-1
1991 ---	.8	-1	-2.1	-1.1	-4	-2.5	-1	-8	.4	-1.0	-1.2	-7
<b>DEFENSE CAPITAL GOODS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	81 801	84 648	87 607	89 649	89 545	89 402	88 656	88 767	89 235	91 410	91 953	99 262
1983 ---	104 539	105 339	107 846	109 949	108 932	110 173	110 385	109 086	110 502	113 148	116 362	121 539
1984 ---	123 025	125 172	133 167	132 688	131 625	131 196	130 872	130 936	133 198	133 468	137 560	142 738
1985 ---	147 876	147 091	148 155	148 264	148 230	150 817	151 363	152 384	154 034	153 905	152 924	156 900
1986 ---	160 812	161 837	167 265	166 512	164 859	162 345	162 050	159 826	161 731	160 009	161 236	162 588
1987 ---	162 288	161 209	162 889	164 366	163 200	162 683	162 449	161 506	162 094	162 647	164 073	164 815
1988 ---	165 611	165 997	165 856	164 496	164 240	163 206	161 232	157 932	157 895	159 771	159 916	163 837
1989 ---	163 949	163 368	166 052	164 937	161 378	158 935	157 528	154 610	156 621	156 999	161 020	161 808
1990 ---	161 442	161 662	162 187	161 173	160 587	158 578	156 345	154 076	154 801	154 027	152 131	151 838
1991 ---	151 618	151 756	150 354	148 194	148 608	147 439	147 612	147 555	145 123	145 296	142 556	143 630
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	80 806	83 263	86 026	88 189	88 830	89 347	89 535	90 623	91 119	92 603	93 438	99 051
1983 ---	103 311	103 618	105 718	107 943	108 016	110 109	111 439	111 153	112 717	114 896	118 560	121 173
1984 ---	121 547	123 204	130 245	130 036	130 547	131 231	132 245	133 332	135 606	135 503	140 123	142 318
1985 ---	146 210	145 027	144 954	145 464	147 157	151 027	153 053	155 263	156 557	156 169	155 282	156 314
1986 ---	158 908	159 602	163 662	163 558	163 914	162 830	163 861	162 902	164 165	162 148	162 979	161 754
1987 ---	160 501	158 987	159 695	161 856	162 495	163 286	164 168	164 736	164 298	164 726	164 960	163 803
1988 ---	163 965	163 741	163 012	162 451	163 709	163 783	162 728	161 125	159 882	161 642	160 340	162 959
1989 ---	162 642	161 432	163 525	163 231	160 934	159 373	158 784	157 798	158 427	158 642	161 177	160 793
1990 ---	160 138	159 900	159 774	159 786	160 208	158 988	157 390	157 186	156 469	155 331	152 288	151 030
1991 ---	150 544	150 379	148 265	147 071	148 248	147 768	148 411	150 407	146 565	146 365	142 738	142 893
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	3.9	3.0	3.3	2.5	.7	.6	.2	1.2	.5	1.6	.9	6.0
1983 ---	4.3	.3	2.0	2.1	.1	1.9	1.2	-.3	1.4	1.9	3.2	2.2
1984 ---	.3	1.4	5.7	-2	.4	.5	.8	.8	1.7	-.1	3.4	1.6
1985 ---	2.7	-8	-.1	.4	1.2	2.6	1.3	1.4	.8	-2	-.6	.7
1986 ---	1.7	.4	2.5	-.1	.2	-.7	.6	-.6	.8	-1.2	.5	-.8
1987 ---	-8	-9	.4	1.4	.4	.5	.3	-.3	-.3	.3	.1	-.7
1988 ---	.1	-1	-.4	-.3	.8	-	-.6	-1.0	-.8	1.1	-.8	1.6
1989 ---	-.1	-7	1.3	-2	-1.4	-1.0	-.4	-.6	.4	.1	1.6	-.2
1990 ---	-.4	-.1	-.1	-.3	.3	-.8	-1.0	-.1	-.5	-.7	-2.0	-.8
1991 ---	-3	-1	-1.4	-.8	.8	-.3	.4	1.3	-2.6	-.1	-2.5	.1

See footnotes at end of table.



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLE GOODS, EXCLUDING CAPITAL GOODS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	92 107	91 567	91 921	89 934	88 542	86 658	86 235	83 885	82 625	80 481	78 917	78 002
1983 ---	80 169	83 056	84 467	85 022	85 810	86 750	89 484	91 964	91 247	92 447	93 527	94 440
1984 ---	99 447	103 356	105 646	107 274	108 067	105 150	106 186	105 551	102 119	98 773	96 269	94 807
1985 ---	97 999	99 521	99 760	99 241	98 287	97 062	96 991	96 438	94 666	93 229	91 558	92 437
1986 ---	95 513	97 963	98 816	97 717	96 271	95 273	95 306	94 775	94 084	93 012	92 164	93 832
1987 ---	95 103	96 692	98 997	99 948	100 708	101 390	103 678	104 363	104 604	104 436	104 230	105 984
1988 ---	108 960	111 863	113 912	113 919	114 130	113 158	114 289	113 040	111 598	110 255	109 272	110 783
1989 ---	112 760	114 464	114 861	115 106	113 637	112 603	110 875	108 814	107 782	105 786	104 488	105 544
1990 ---	108 256	108 885	110 157	111 303	111 791	110 061	110 797	109 614	108 551	106 929	105 118	103 748
1991 ---	104 430	104 702	104 729	105 744	105 779	103 583	105 825	105 442	104 827	103 093	101 793	101 492
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	92 533	90 510	90 009	88 091	87 083	86 017	85 310	83 200	83 263	82 306	81 583	80 665
1983 ---	80 770	82 119	82 611	83 249	84 252	86 123	88 385	91 047	92 053	94 822	96 673	97 658
1984 ---	100 147	102 070	103 052	104 611	105 854	104 291	104 700	104 446	102 963	101 286	99 474	97 902
1985 ---	99 072	98 514	97 264	96 832	96 277	96 232	95 681	95 706	95 584	95 641	94 580	95 154
1986 ---	96 238	96 799	96 413	95 538	94 504	94 562	94 070	94 196	94 955	95 401	95 277	96 537
1987 ---	95 724	95 625	96 688	97 672	98 983	100 751	102 422	103 994	105 674	107 177	107 636	108 742
1988 ---	109 480	110 750	111 344	111 257	112 083	112 275	112 798	112 720	112 671	112 998	112 782	113 500
1989 ---	113 336	113 587	112 531	112 550	111 518	111 622	109 226	108 420	108 631	108 178	107 774	108 223
1990 ---	108 962	108 442	108 376	109 051	109 788	109 126	109 136	109 155	109 301	109 227	108 431	106 389
1991 ---	105 160	104 548	103 253	103 649	103 925	102 642	104 196	104 916	105 493	105 205	104 938	104 288
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-1.7	-2.2	-6	-2.1	-1.1	-1.2	-8	-2.5	.1	-1.1	-9	-1.1
1983 ---	.1	1.7	.6	.8	1.2	2.2	2.6	3.0	1.1	3.0	2.2	.8
1984 ---	2.5	1.9	1.0	1.5	1.2	-1.5	.4	-2	-1.4	-1.6	-1.8	-1.6
1985 ---	1.2	-6	-1.3	-4	-6	-	-6	-	-1	.1	-1.1	.6
1986 ---	1.1	.6	-4	-9	-1.1	.1	-5	.1	.8	.5	-1	1.3
1987 ---	-8	-1	1.1	1.0	1.3	1.8	1.7	1.5	1.6	1.4	.6	.8
1988 ---	.7	1.2	.5	-1	.7	.2	.5	-1	-	.3	-2	.6
1989 ---	-1	2	-9	-	-9	.1	-2.1	-7	.2	-4	-4	.4
1990 ---	.7	-5	-1	.6	.7	-6	-	-	.1	-1	-7	-1.9
1991 ---	-1.2	-6	-1.2	.4	.3	-1.2	1.5	.7	.5	-3	-3	-6
<b>PRODUCERS' DURABLE EQUIPMENT—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	178 367	176 528	176 175	174 626	169 740	165 741	163 942	158 944	156 549	154 958	151 783	149 304
1983 ---	149 988	147 316	146 860	147 038	146 614	146 901	147 221	147 853	148 015	150 607	150 306	149 027
1984 ---	153 381	156 409	158 486	159 553	161 794	161 473	163 465	163 020	159 824	158 240	156 192	153 892
1985 ---	155 061	158 521	159 225	158 203	156 339	156 157	155 688	155 211	155 683	154 907	152 066	153 971
1986 ---	155 745	157 375	157 243	155 642	154 538	153 379	153 251	151 809	151 206	151 460	150 527	150 143
1987 ---	152 610	154 201	153 974	154 299	157 402	159 425	162 402	163 654	163 026	163 205	164 240	166 241
1988 ---	170 295	175 308	177 290	179 231	178 522	179 681	184 062	186 946	186 662	186 682	186 689	196 260
1989 ---	203 175	207 721	210 710	214 950	216 070	220 214	222 825	222 235	221 698	221 167	222 915	230 237
1990 ---	235 736	234 562	238 402	238 843	239 077	237 652	242 911	241 414	242 328	247 118	245 446	249 981
1991 ---	253 804	254 405	254 207	252 518	249 522	243 037	244 830	242 909	241 655	239 946	240 116	238 763
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	178 431	175 992	175 217	173 156	168 627	165 234	163 085	158 336	156 948	156 155	153 588	151 348
1983 ---	150 276	146 942	146 077	145 876	145 547	146 393	146 338	147 098	148 401	151 908	152 292	151 238
1984 ---	153 883	155 918	157 448	157 997	160 379	160 751	162 386	162 100	160 252	159 628	157 938	156 024
1985 ---	155 918	158 077	158 074	156 760	155 017	155 458	154 655	154 386	156 081	156 192	153 605	155 845
1986 ---	156 332	156 786	156 246	154 527	153 552	153 022	152 358	151 007	151 462	152 673	152 058	152 073
1987 ---	153 100	153 650	153 073	153 340	156 549	159 325	161 492	162 956	163 311	164 404	165 805	168 071
1988 ---	170 592	174 799	176 370	178 048	177 630	179 712	183 161	186 277	186 933	187 798	191 093	198 014
1989 ---	203 352	207 251	209 878	213 717	215 160	220 299	221 750	221 430	221 729	222 072	224 238	232 168
1990 ---	235 986	234 460	238 054	238 052	238 301	237 853	241 849	240 476	242 167	247 791	246 736	251 881
1991 ---	254 092	254 523	253 975	251 731	248 742	243 188	243 812	242 075	241 581	240 701	241 491	238 844
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	.5	-1.4	-4	-1.2	-2.6	-2.0	-1.3	-2.9	-9	-5	-1.6	-1.5
1983 ---	-7	-2.2	-6	-1	-2	.6	-	.5	.9	2.4	.3	-7
1984 ---	1.7	1.3	1.0	.3	1.5	.2	1.0	-2	-1.1	-4	-1.1	-1.2
1985 ---	-1	1.4	-	-8	-1.1	.3	-5	-2	-	.1	-1.7	1.5
1986 ---	.3	.3	-3	-1.1	-6	-3	-4	-9	.3	.8	-4	-
1987 ---	.7	.4	-4	.2	2.1	1.8	1.4	.9	.2	.7	.9	1.4
1988 ---	1.5	2.5	.9	1.0	-2	1.2	1.9	1.7	.4	.5	1.8	3.6
1989 ---	2.7	1.9	1.3	1.8	.7	2.4	.7	-1	.1	.2	1.0	3.5
1990 ---	1.6	-6	1.5	-	1	-2	1.7	-6	.7	2.3	-4	2.1
1991 ---	.9	2	-2	-9	-1.2	-2.2	.3	-7	-2	-4	.3	-1.1

See footnotes at end of table.



Table 3. Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOUSEHOLD DURABLE GOODS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 984	4 085	4 584	4 629	4 980	5 046	5 107	5 040	4 615	4 115	3 835	3 716
1983 ---	4 025	4 284	4 639	4 906	5 591	5 656	6 135	6 470	5 799	5 168	4 656	4 522
1984 ---	5 285	6 010	6 392	6 945	7 646	7 104	7 462	7 512	6 683	5 580	4 542	4 395
1985 ---	5 926	6 348	6 824	6 690	6 759	6 592	6 697	6 421	5 819	5 192	4 580	4 219
1986 ---	5 203	5 368	5 854	6 033	6 239	6 016	6 047	6 089	5 895	5 421	5 040	4 649
1987 ---	5 281	5 480	6 124	6 023	6 193	5 953	6 211	6 127	5 877	5 612	5 252	4 731
1988 ---	5 483	6 106	6 187	6 332	6 216	6 152	6 122	6 040	5 777	5 274	4 851	4 651
1989 ---	5 677	5 840	6 287	6 508	6 363	6 152	6 375	6 196	5 958	5 559	5 084	4 752
1990 ---	5 438	5 500	5 707	5 837	5 735	5 750	5 945	5 793	5 568	4 934	4 689	4 243
1991 ---	4 592	4 737	4 965	5 283	5 332	5 267	5 493	5 624	5 470	5 110	4 597	4 490
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 574	4 355	4 614	4 402	4 509	4 582	4 479	4 381	4 382	4 440	4 660	4 863
1983 ---	4 572	4 513	4 605	4 705	5 038	5 161	5 416	5 627	5 527	5 656	5 641	5 814
1984 ---	5 971	6 303	6 190	6 432	6 733	6 449	6 565	6 571	6 380	6 078	5 369	5 607
1985 ---	6 759	6 620	6 366	6 160	5 965	6 004	5 938	5 755	5 650	5 614	5 320	5 242
1986 ---	5 690	5 490	5 517	5 696	5 630	5 606	5 447	5 559	5 748	5 748	5 907	5 817
1987 ---	5 706	5 542	5 752	5 658	5 680	5 624	5 659	5 674	5 734	6 004	6 159	5 850
1988 ---	5 842	6 179	5 815	5 840	5 705	5 803	5 580	5 621	5 648	5 604	5 565	5 711
1989 ---	6 077	5 904	5 947	6 015	5 849	5 790	5 807	5 768	5 836	5 974	5 960	5 873
1990 ---	5 798	5 547	5 472	5 421	5 323	5 466	5 451	5 384	5 443	5 307	5 589	5 261
1991 ---	4 930	4 841	4 780	4 871	4 948	4 965	5 028	5 213	5 336	5 475	5 479	5 691
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-3.3	-4.8	5.9	-4.6	2.4	1.6	-2.2	-2.2	-	1.3	5.0	4.4
1983 ---	-6.0	-1.3	2.0	2.2	7.1	2.4	4.9	3.9	-1.8	2.3	-3	3.1
1984 ---	2.7	5.6	-1.8	3.9	4.7	-4.2	1.8	.1	-2.9	-4.7	-11.7	4.4
1985 ---	20.5	-2.1	-3.8	-3.2	-3.2	.7	-1.1	-3.1	-1.8	-6	-5.2	-1.5
1986 ---	8.5	-3.5	.5	3.2	-1.2	-4	-2.8	2.1	3.4	2.1	6	-1.5
1987 ---	-1.9	-2.9	3.8	-1.6	.5	-1.1	.6	.3	1.1	4.7	2.6	-5.0
1988 ---	-1	5.8	-5.9	4	-2.3	1.7	-3.8	.7	.5	-8	-7	2.6
1989 ---	6.4	-2.8	.7	1.1	-2.8	-1.0	.3	-7	1.2	2.4	-2	-1.5
1990 ---	-1.3	-4.3	-1.4	-9	-1.8	2.7	-3	-1.2	1.1	-2.5	5.3	-5.9
1991 ---	-6.3	-1.8	-1.3	1.9	1.6	.3	1.3	3.7	2.4	2.6	.1	3.9
<b>INFORMATION TECHNOLOGY INDUSTRIES—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	34 719	34 707	34 540	36 484	35 965	35 294	34 754	33 732	33 647	34 002	33 678	34 474
1983 ---	34 587	34 059	34 396	34 943	34 855	35 722	35 291	34 911	35 786	36 010	36 098	36 399
1984 ---	37 131	37 733	38 182	38 945	40 358	40 921	40 337	40 335	40 054	40 074	40 200	39 418
1985 ---	39 459	42 558	42 754	42 193	42 075	42 619	41 851	41 440	41 339	41 482	40 912	40 095
1986 ---	39 763	40 832	39 989	39 166	38 453	39 457	39 486	39 339	39 526	39 069	38 744	38 449
1987 ---	38 699	38 753	38 188	38 542	38 463	39 685	40 042	39 267	39 088	39 042	38 921	38 994
1988 ---	40 411	40 805	40 782	41 204	41 551	40 416	40 482	41 157	40 690	40 837	41 034	40 762
1989 ---	40 585	40 900	40 366	39 717	39 186	38 116	37 828	37 581	37 815	37 432	37 212	37 704
1990 ---	37 439	37 252	37 136	37 331	37 304	37 386	37 946	37 371	37 746	37 639	37 102	36 669
1991 ---	36 728	37 441	36 949	36 513	36 766	36 328	36 249	35 892	35 353	34 863	34 440	33 641
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	34 536	34 592	34 603	36 171	35 525	34 747	34 440	33 852	33 961	34 502	34 127	34 695
1983 ---	34 486	34 001	34 485	34 690	34 462	35 195	35 040	34 971	36 046	36 422	36 525	36 679
1984 ---	37 149	37 729	38 315	38 672	39 922	40 281	40 069	40 320	40 256	40 367	40 555	39 807
1985 ---	39 606	42 566	42 930	41 995	41 695	42 061	41 568	41 309	41 448	41 694	41 130	40 530
1986 ---	40 009	40 863	40 162	39 061	38 184	39 083	39 234	39 150	39 547	39 173	38 808	38 860
1987 ---	38 981	38 796	38 390	38 488	38 222	39 420	39 767	39 035	39 051	39 088	38 882	39 398
1988 ---	40 729	40 905	41 034	41 167	41 323	40 238	40 209	40 898	40 613	40 816	40 912	41 185
1989 ---	40 911	41 044	40 644	39 698	38 981	37 998	37 582	37 362	37 720	37 379	37 044	38 097
1990 ---	37 731	37 418	37 399	37 313	37 304	37 302	37 708	37 161	37 636	37 561	36 901	37 056
1991 ---	37 013	37 618	37 204	36 496	36 569	36 265	36 014	35 686	35 250	34 785	34 237	33 991
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	-6	2	-	4.5	-1.8	-2.2	-9	-1.7	.3	1.6	-1.1	1.7
1983 ---	-6	-1.4	1.4	6	-7	2.1	-4	-2	3.1	1.0	3	.4
1984 ---	1.3	1.6	1.6	9	3.2	.9	-5	.6	-2	3	4	-1.8
1985 ---	-5	7.5	9	-2.2	-7	.9	-1.2	-6	.3	6	-1.4	-1.5
1986 ---	-1.3	2.1	-1.7	-2.7	-2.2	2.4	.4	-2	1.0	-9	-9	1
1987 ---	3	-5	-1.0	.3	-7	3.1	9	-1.8	.1	-1	-5	1.3
1988 ---	3.4	4	.3	3	4	-2.6	-1	1.7	-7	5	2	7
1989 ---	-7	3	-1.0	-2.3	-1.8	-2.5	-1.1	-6	1.0	-9	-9	2.8
1990 ---	-1.0	-8	-	-2	-	-	1.1	-1.4	1.3	-2	-1.8	4
1991 ---	-1	1.6	-1.1	-1.9	2	-8	-7	-9	-1.2	-1.3	-1.6	-7

See footnotes at end of table



Table 3. **Manufacturers' Unfilled Orders and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HEALTH CARE EQUIPMENT AND PRODUCTS—UNFILLED ORDERS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 393	3 518	3 621	3 673	3 621	3 588	3 556	3 591	3 648	3 641	3 640	3 570
1983 ---	3 667	3 726	3 762	3 840	3 856	4 016	4 071	4 064	4 105	4 094	4 102	4 136
1984 ---	4 241	4 227	4 306	4 367	4 531	4 639	4 649	4 771	4 772	4 857	4 929	4 976
1985 ---	5 094	5 126	5 066	5 136	5 106	5 204	5 274	5 316	5 314	5 306	5 272	5 465
1986 ---	5 521	5 505	5 536	5 500	5 550	5 560	5 569	5 580	5 790	5 842	5 791	5 785
1987 ---	5 900	5 852	5 892	5 956	5 959	6 132	6 282	6 353	6 431	6 470	6 530	6 649
1988 ---	6 721	6 734	6 780	6 738	6 792	6 812	6 887	6 830	6 741	6 828	6 953	7 151
1989 ---	6 891	6 879	6 868	6 971	6 982	7 593	7 678	7 651	8 503	8 717	8 658	8 470
1990 ---	8 749	8 883	8 932	8 847	8 719	8 816	8 917	8 855	8 936	9 204	9 097	8 949
1991 ---	9 005	8 874	8 821	8 614	8 636	8 363	8 516	8 528	8 582	8 875	8 682	8 222
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 394	3 519	3 621	3 673	3 621	3 587	3 555	3 590	3 648	3 640	3 640	3 571
1983 ---	3 668	3 727	3 763	3 841	3 855	4 016	4 069	4 062	4 104	4 093	4 102	4 137
1984 ---	4 242	4 228	4 307	4 367	4 531	4 638	4 647	4 770	4 771	4 856	4 929	4 977
1985 ---	5 095	5 127	5 067	5 136	5 106	5 203	5 273	5 315	5 313	5 305	5 272	5 465
1986 ---	5 522	5 506	5 537	5 500	5 550	5 559	5 568	5 579	5 789	5 842	5 791	5 786
1987 ---	5 901	5 854	5 893	5 957	5 959	6 132	6 281	6 352	6 429	6 469	6 530	6 650
1988 ---	6 723	6 735	6 782	6 739	6 792	6 811	6 886	6 829	6 740	6 827	6 953	7 151
1989 ---	6 892	6 881	6 869	6 972	6 982	7 593	7 677	7 650	8 502	8 716	8 658	8 470
1990 ---	8 750	8 885	8 933	8 848	8 719	8 816	8 915	8 854	8 935	9 203	9 096	8 949
1991 ---	9 007	8 876	8 822	8 615	8 635	8 363	8 515	8 527	8 581	8 873	8 681	8 222
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	1.0	3.7	2.9	1.4	-1.4	-9	-9	1.0	1.6	-2	-	-1.9
1983 ---	2.7	1.6	1.0	2.1	.4	4.2	1.3	-2	1.0	-3	.2	.9
1984 ---	2.5	-3	1.9	1.4	3.8	2.4	.2	2.6	-	1.8	1.5	1.0
1985 ---	2.4	.6	-1.2	1.4	-6	1.9	1.3	.8	-	-2	-6	3.7
1986 ---	1.0	-3	.6	-7	.9	.2	.2	.2	3.8	.9	-9	-1
1987 ---	2.0	-8	.7	1.1	-	2.9	2.4	1.1	1.2	.6	.9	1.8
1988 ---	1.1	.2	.7	-6	8	.3	1.1	-8	-1.3	1.3	1.8	2.8
1989 ---	-3.6	-2	-2	1.5	.1	8.8	1.1	-4	11.1	2.5	-7	-2.2
1990 ---	3.3	1.5	.5	-1.0	-1.5	1.1	1.1	-7	.9	3.0	-1.2	-1.6
1991 ---	.6	-1.5	-6	-2.3	2	-3.1	1.8	.1	.6	3.4	-2.2	-5.3

- Represents no change. (NA) Not available.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	322 919	325 331	324 537	324 986	322 409	319 146	318 074	317 268	313 950	314 238	312 131	307 212
1983 ---	307 778	308 985	305 120	306 442	307 204	305 033	304 861	306 710	306 225	308 543	309 523	307 675
1984 ---	311 119	316 992	320 656	325 102	329 659	330 517	332 630	336 829	336 935	339 333	338 241	334 236
1985 ---	336 951	340 119	339 613	340 890	340 327	338 647	337 010	336 831	334 192	333 999	332 810	329 555
1986 ---	330 531	331 841	330 764	331 574	330 800	327 739	326 877	325 804	322 492	322 611	321 941	317 567
1987 ---	322 491	324 967	324 762	326 934	328 721	326 502	327 613	330 402	329 605	332 073	334 327	332 619
1988 ---	338 984	344 212	345 254	348 535	352 230	351 492	353 966	356 696	356 455	359 176	361 431	361 477
1989 ---	370 102	374 796	376 349	380 618	383 582	382 135	386 903	388 610	384 884	386 967	387 555	380 460
1990 ---	389 788	393 029	391 003	394 034	396 105	390 994	395 713	397 851	397 745	400 659	401 279	392 493
1991 ---	398 266	401 218	397 090	398 181	395 138	389 428	389 375	389 161	387 889	388 727	387 971	379 926
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	322 905	322 519	321 868	321 265	318 685	318 308	318 620	318 043	316 692	316 304	313 995	311 834
1983 ---	308 028	306 612	302 918	303 284	304 003	304 391	305 308	307 094	308 482	309 887	311 132	312 362
1984 ---	311 638	314 938	318 846	322 212	326 497	329 865	332 774	336 535	338 655	340 355	339 895	339 492
1985 ---	337 946	338 386	338 070	338 170	337 186	338 016	336 939	336 201	335 629	334 715	334 252	334 801
1986 ---	331 510	330 312	329 600	329 182	327 886	327 299	326 582	324 862	323 714	323 217	323 323	322 699
1987 ---	323 386	323 460	323 780	324 671	325 964	326 482	327 172	329 335	330 922	332 602	335 488	338 095
1988 ---	339 723	342 379	344 395	346 224	349 325	351 835	353 383	355 507	357 946	359 664	362 405	367 396
1989 ---	370 825	372 608	375 448	378 164	380 575	382 998	386 272	387 245	386 526	387 237	388 304	386 784
1990 ---	390 557	390 675	390 272	391 588	393 190	392 240	394 967	396 424	399 368	400 606	401 635	398 851
1991 ---	398 901	398 563	396 329	395 738	392 533	391 038	388 774	387 900	389 552	388 555	388 279	386 043
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-2	-2	-8	-1	.1	-2	-4	-1	-7	-7
1983 ---	-1.2	-5	-1.2	.1	.2	.1	.3	.6	.5	.5	.4	.4
1984 ---	-2	1.1	1.2	1.1	1.3	1.0	.9	1.1	.6	.5	-1	-1
1985 ---	-5	.1	-1	-	-3	.2	-3	-2	-2	-3	-1	-2
1986 ---	-1.0	-4	-2	-1	-4	-2	-2	-5	-4	-2	-	-2
1987 ---	.2	-	.1	.3	.4	.2	.2	.7	.5	.5	.9	.8
1988 ---	.5	.8	.6	.5	.9	.7	.4	.6	.7	.5	.8	1.4
1989 ---	.9	.5	.8	.7	.6	.6	.9	.3	-2	.2	.3	-4
1990 ---	1.0	-	-1	.3	.4	-2	.7	.4	.7	.3	.3	-7
1991 ---	-	-1	-6	-1	-8	-4	-6	-2	.4	-3	-1	-6
<b>ALL MANUFACTURING INDUSTRIES WITH UNFILLED ORDERS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	213 344	215 809	215 694	216 776	216 664	215 072	213 722	212 690	209 921	209 370	206 931	203 638
1983 ---	203 111	204 236	202 504	203 973	205 414	204 022	203 029	203 793	202 469	203 167	203 604	202 794
1984 ---	204 515	208 725	212 461	216 242	220 053	221 598	223 846	226 829	226 680	228 373	227 671	225 290
1985 ---	227 980	230 833	231 431	232 799	232 821	232 350	231 242	230 834	229 123	227 719	225 950	222 340
1986 ---	223 518	224 929	225 993	227 072	227 628	226 508	226 435	225 511	223 519	222 891	221 526	217 411
1987 ---	220 606	222 482	223 009	225 103	226 756	225 578	226 435	227 886	226 907	228 172	229 883	227 201
1988 ---	231 783	236 149	237 384	240 456	243 850	243 310	245 444	247 272	247 239	248 401	249 887	249 606
1989 ---	256 338	260 545	262 205	265 330	268 573	267 694	271 290	272 384	269 212	270 276	270 621	265 020
1990 ---	271 498	273 967	272 788	275 884	277 800	274 339	277 298	277 742	274 977	276 056	276 582	268 391
1991 ---	272 596	275 590	273 665	274 629	272 947	269 066	269 102	267 833	265 470	264 922	263 544	256 447
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	214 900	215 090	214 060	214 120	213 328	213 112	212 519	212 165	211 431	211 140	209 205	207 832
1983 ---	204 748	203 732	201 184	201 710	202 472	202 239	201 833	203 015	203 445	204 416	205 666	207 134
1984 ---	206 383	208 486	211 477	214 111	217 064	219 738	222 440	225 645	227 296	229 343	229 724	230 203
1985 ---	230 261	230 802	230 658	230 753	229 841	230 551	229 704	229 429	229 481	228 403	227 782	227 313
1986 ---	225 730	224 971	225 505	225 254	224 829	224 917	224 853	223 978	223 798	223 479	223 160	222 391
1987 ---	222 687	222 438	222 581	223 300	224 008	224 246	224 733	226 253	227 281	228 759	230 938	232 560
1988 ---	233 812	235 906	237 006	238 586	240 952	242 203	243 595	245 443	247 765	248 959	251 289	255 458
1989 ---	258 461	260 106	261 859	263 316	265 447	266 827	269 302	270 373	270 024	270 787	271 924	271 237
1990 ---	273 630	273 369	272 428	273 799	274 624	273 675	275 208	275 629	275 855	276 502	277 794	274 683
1991 ---	274 666	274 860	273 271	272 561	269 965	268 555	267 090	265 870	266 427	265 340	264 719	262 508
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1	-5	-	-4	-1	-3	-2	-3	-1	-9	-7
1983 ---	-1.5	-5	-1.3	.3	.4	-1	-2	.6	.2	.5	.6	.7
1984 ---	-4	1.0	1.4	1.2	1.4	1.2	1.2	1.4	.7	.9	.2	.2
1985 ---	-	.2	-1	-	-4	.3	-4	-1	-	-5	-3	-2
1986 ---	-7	-3	.2	-1	-2	-	-	-4	-1	-1	-1	-3
1987 ---	.1	-1	.1	.3	.3	.1	.2	.7	.5	.7	1.0	.7
1988 ---	.5	.9	.5	.7	1.0	.5	.6	.8	.9	.5	.9	1.7
1989 ---	1.2	.6	.7	.6	.8	.5	.9	.4	-1	.3	.4	-3
1990 ---	.9	-1	-3	.5	.3	-3	.6	.2	.1	.2	.5	-1.1
1991 ---	-	.1	-6	-3	-1.0	-5	-5	-5	2	-4	-2	-8

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	207 312	209 548	209 266	209 797	209 287	207 683	206 158	205 479	203 123	202 516	199 820	196 663
1983 ---	196 341	197 852	195 883	197 068	198 259	196 445	195 382	196 561	195 387	195 934	196 614	196 002
1984 ---	197 743	202 082	205 279	208 321	211 439	212 223	213 901	217 238	217 486	219 366	218 934	217 049
1985 ---	220 002	222 410	222 741	223 476	223 183	222 683	221 654	221 572	219 945	218 697	217 345	213 978
1986 ---	215 255	216 780	217 459	217 864	218 252	216 290	215 295	214 692	213 275	212 626	211 826	207 865
1987 ---	210 728	212 450	212 576	214 095	215 267	213 628	214 131	215 519	215 020	216 486	218 078	216 343
1988 ---	221 047	225 167	225 817	227 738	230 549	229 612	231 318	232 772	233 020	234 662	236 519	236 520
1989 ---	243 196	247 231	248 612	251 024	253 618	252 266	255 872	257 017	254 116	255 682	256 278	250 733
1990 ---	257 088	259 391	257 795	260 515	262 142	258 051	260 717	261 671	259 759	261 177	262 247	254 508
1991 ---	258 014	260 812	258 166	258 503	256 525	252 431	252 345	251 675	250 126	249 622	248 831	241 915
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	208 293	208 079	207 190	207 192	206 329	206 360	205 856	205 395	204 672	204 247	201 945	200 423
1983 ---	197 447	196 634	194 121	194 821	195 634	195 278	195 085	196 247	196 394	197 107	198 516	199 831
1984 ---	199 017	201 038	203 785	206 231	208 818	211 101	213 553	216 614	218 234	220 277	220 751	221 304
1985 ---	221 591	221 504	221 409	221 441	220 530	221 634	221 224	220 847	220 580	219 393	218 895	218 211
1986 ---	216 723	215 942	216 400	216 078	215 789	215 440	214 783	213 916	213 917	213 214	213 114	212 027
1987 ---	211 997	211 540	211 611	212 391	212 905	213 075	213 544	214 694	215 795	217 008	219 169	220 786
1988 ---	222 197	224 016	224 938	226 021	228 103	229 372	230 643	231 822	233 953	235 087	237 352	241 356
1989 ---	244 395	245 867	247 784	249 188	250 998	252 358	255 114	255 898	255 297	255 973	256 899	255 911
1990 ---	258 342	257 914	257 041	258 679	259 533	258 380	259 831	260 439	260 943	261 360	262 695	259 746
1991 ---	259 208	259 195	257 407	256 693	254 099	252 919	251 459	250 520	251 319	249 738	249 202	246 966
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-4	-	-4	-	-2	-2	-4	-2	-1.1	-8
1983 ---	-1.5	-4	-1.3	.4	.4	-2	-1	.6	.1	.4	.7	.7
1984 ---	-4	1.0	1.4	1.2	1.3	1.1	1.2	1.4	.7	.9	2	.3
1985 ---	.1	-	-	-	-4	.5	-2	-2	-1	-	-2	-3
1986 ---	-7	-4	.2	-1	-1	-2	-3	-4	-	-3	-	-5
1987 ---	-	-2	-	.4	.2	.1	.6	.5	.5	.5	1.0	.7
1988 ---	.6	.8	.4	.5	.9	.6	.6	.5	.9	.3	1.0	1.7
1989 ---	1.3	.6	.8	.6	.7	.5	1.1	.3	-2	.3	.4	-4
1990 ---	.9	-2	-3	.6	.3	-4	.6	.2	.2	.2	.5	-1.1
1991 ---	-2	-	-7	-3	-1.0	-5	-6	-4	.3	-6	-2	-9
<b>DURABLE GOODS WITH UNFILLED ORDERS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	190 091	192 072	191 911	192 745	192 512	191 030	189 844	189 143	186 933	186 560	184 316	181 167
1983 ---	180 393	181 364	179 629	180 840	181 942	180 340	179 231	180 014	179 036	179 459	179 734	178 831
1984 ---	180 172	183 901	187 139	190 403	193 726	194 832	196 806	199 712	199 843	201 663	201 085	198 951
1985 ---	201 607	203 699	204 223	205 481	205 656	205 268	204 469	204 015	202 724	201 506	199 940	196 399
1986 ---	197 592	198 436	199 326	200 064	200 665	199 450	199 051	198 328	196 864	196 424	195 029	191 129
1987 ---	193 622	194 834	194 855	196 711	198 055	196 947	197 700	198 931	198 242	199 775	200 828	198 663
1988 ---	202 692	206 480	207 315	209 622	212 629	211 980	213 655	215 170	215 459	216 912	218 260	218 163
1989 ---	224 189	228 034	229 613	232 337	234 996	233 847	237 160	238 338	235 569	236 980	237 421	232 266
1990 ---	238 076	240 111	238 682	241 460	243 164	239 644	241 999	242 706	240 629	242 022	242 706	235 055
1991 ---	238 307	240 713	238 793	239 671	238 290	234 651	234 666	233 796	232 061	231 556	230 364	223 626
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	191 324	191 352	190 487	190 564	189 765	189 666	189 120	188 842	188 090	187 795	185 988	184 720
1983 ---	181 740	180 861	178 486	178 979	179 493	179 072	178 481	179 465	179 727	180 235	181 242	182 596
1984 ---	181 725	183 654	186 315	188 677	191 225	193 489	195 891	198 823	200 234	202 171	202 576	203 113
1985 ---	203 535	203 631	203 604	203 832	203 130	203 951	203 406	202 942	202 945	201 771	201 258	200 617
1986 ---	199 447	198 426	198 962	198 612	198 304	198 308	197 931	197 173	197 070	196 607	196 164	195 317
1987 ---	195 311	194 720	194 526	195 269	195 757	196 049	196 507	197 711	198 575	199 916	201 856	203 148
1988 ---	204 333	206 172	207 039	208 120	210 218	211 332	212 392	213 824	215 957	216 984	219 094	223 038
1989 ---	225 903	227 528	229 365	230 691	232 379	233 471	235 811	236 821	236 317	236 983	238 129	237 474
1990 ---	239 839	239 474	238 424	239 741	240 497	239 466	240 581	241 112	241 415	241 960	243 310	240 309
1991 ---	240 004	239 955	238 510	237 973	235 797	234 617	233 310	232 326	232 904	231 476	230 923	226 679
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	-5	-	-4	-1	-3	-1	-4	-2	-1.0	-7
1983 ---	-1.6	-5	-1.3	.3	.3	.2	.3	.6	.1	.3	.6	.7
1984 ---	-5	1.1	1.4	1.3	1.4	1.2	1.2	1.5	.7	1.0	2	.3
1985 ---	.2	-	-	-1	-3	-	-3	-2	-	-6	-3	-3
1986 ---	-6	-5	.3	-2	-2	-	-2	-4	-1	-2	-2	-4
1987 ---	-3	-3	.4	.4	.2	.1	.2	.6	.4	.7	1.0	.6
1988 ---	.6	.9	.1	.5	1.0	.5	.5	.7	1.0	.5	1.0	1.8
1989 ---	1.3	.7	.8	.6	.7	.5	1.0	.4	.2	.3	.5	-3
1990 ---	1.0	-2	-4	.6	.3	-4	.5	.2	.1	.2	.6	-1.2
1991 ---	-1	-	-6	-2	-9	-5	-6	-4	.2	-6	-2	-1.0

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 601	6 857	6 828	6 810	6 790	6 641	6 526	6 485	6 360	6 319	6 292	6 371
1983 ---	6 303	6 572	6 631	6 684	6 654	6 546	6 531	6 441	6 314	6 318	6 336	6 497
1984 ---	6 512	6 715	6 850	6 926	7 005	6 991	6 962	6 944	6 852	6 785	6 789	6 909
1985 ---	7 016	7 254	7 356	7 364	7 347	7 382	7 323	7 095	6 994	6 735	6 840	6 912
1986 ---	6 916	7 083	7 154	7 170	7 207	7 148	7 106	7 147	6 828	6 737	6 868	6 967
1987 ---	7 234	7 204	7 321	7 292	7 351	7 239	7 197	7 136	6 963	6 892	6 946	7 033
1988 ---	7 134	7 297	7 307	7 352	7 498	7 293	7 356	7 264	7 216	7 237	7 247	7 374
1989 ---	7 523	7 746	7 809	7 888	8 017	7 837	7 932	7 753	7 639	7 611	7 613	7 660
1990 ---	7 738	7 912	7 892	7 962	7 926	7 854	7 875	7 802	7 757	7 847	7 893	8 058
1991 ---	8 222	8 441	8 319	8 332	8 262	8 116	8 069	7 958	7 741	7 686	7 807	7 906
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 637	6 685	6 606	6 567	6 564	6 534	6 495	6 548	6 544	6 588	6 552	6 506
1983 ---	6 353	6 425	6 428	6 464	6 447	6 439	6 498	6 490	6 486	6 564	6 577	6 628
1984 ---	6 571	6 585	6 657	6 717	6 799	6 876	6 916	6 986	7 029	7 032	7 030	7 041
1985 ---	7 084	7 133	7 163	7 160	7 139	7 260	7 262	7 132	7 171	6 971	7 070	7 043
1986 ---	6 975	6 969	6 977	6 987	7 005	7 039	7 039	7 186	6 998	6 969	7 086	7 095
1987 ---	7 285	7 082	7 148	7 116	7 149	7 146	7 129	7 184	7 140	7 120	7 154	7 155
1988 ---	7 166	7 161	7 143	7 180	7 299	7 222	7 293	7 320	7 405	7 467	7 450	7 490
1989 ---	7 544	7 586	7 644	7 705	7 817	7 782	7 873	7 820	7 844	7 839	7 815	7 768
1990 ---	7 748	7 733	7 734	7 778	7 739	7 813	7 824	7 875	7 966	8 074	8 093	8 162
1991 ---	8 231	8 239	8 159	8 140	8 074	8 081	8 019	8 038	7 948	7 902	8 000	8 006
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.7	-1.2	-6	-	-5	-6	.8	-1	.7	-5	-7
1983 ---	-2.4	1.1	-	.6	-3	-1	.9	-1	-1	1.2	.2	.8
1984 ---	-.9	.2	1.1	.9	1.2	1.1	.6	1.0	.6	-	-	.2
1985 ---	.6	.7	.4	-	-3	1.7	-	-1.8	.5	-2.8	1.4	-4
1986 ---	-1.0	-.1	.1	.1	.3	.5	-	2.1	-2.6	-.4	1.7	.1
1987 ---	2.7	-2.8	.9	-.4	.5	-	-2	.8	-.6	-.3	.5	-
1988 ---	.2	-.1	-.3	.5	1.7	-1.1	1.0	.4	1.2	.8	-.2	.5
1989 ---	.7	.6	.8	.8	1.5	-.4	1.2	-.7	.3	-.1	-.3	-.6
1990 ---	-.3	-.2	-	.6	-.5	1.0	.1	.7	1.2	1.4	.2	.9
1991 ---	.8	.1	-1.0	-.2	-.8	-.1	-.8	.2	-1.1	-.6	1.2	-.1
<b>PRIMARY METAL INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	28 427	28 362	27 969	27 448	27 143	26 589	26 431	25 992	25 485	25 227	24 705	23 897
1983 ---	23 498	23 380	22 740	23 207	23 183	22 756	22 705	22 578	22 310	22 321	22 523	22 035
1984 ---	21 976	22 266	22 474	22 964	23 486	23 399	23 498	23 524	23 419	22 952	22 667	22 184
1985 ---	21 559	21 267	21 431	21 366	21 287	21 145	20 960	20 751	20 606	20 311	20 215	19 807
1986 ---	19 693	19 647	19 438	19 484	19 523	19 375	19 310	18 752	18 320	18 000	18 118	18 334
1987 ---	18 225	17 860	17 716	17 924	17 858	17 763	17 881	17 997	18 214	18 398	18 766	18 978
1988 ---	19 476	19 846	19 955	20 252	20 501	20 307	20 646	20 947	21 335	21 645	21 929	22 270
1989 ---	22 811	22 963	22 884	23 297	23 618	23 383	23 569	23 257	23 053	22 758	22 779	22 516
1990 ---	22 595	22 536	21 863	22 064	22 066	22 013	22 257	22 401	22 580	22 410	22 317	22 277
1991 ---	22 189	22 013	21 892	21 798	21 499	21 203	21 039	20 873	20 816	20 569	20 402	20 276
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	28 823	28 622	28 126	27 399	26 864	26 475	26 128	25 798	25 479	25 220	24 697	24 174
1983 ---	23 798	23 576	22 844	23 133	22 929	22 637	22 475	22 432	22 291	22 334	22 542	22 310
1984 ---	22 232	22 439	22 586	22 873	23 231	23 257	23 288	23 383	23 384	22 982	22 691	22 444
1985 ---	21 762	21 403	21 540	21 271	21 067	21 022	20 815	20 664	20 586	20 364	20 250	20 017
1986 ---	19 793	19 722	19 533	19 397	19 346	19 291	19 222	18 718	18 327	18 083	18 162	18 482
1987 ---	18 226	17 867	17 779	17 834	17 718	17 730	17 838	18 005	18 232	18 489	18 818	19 086
1988 ---	19 402	19 812	20 034	20 177	20 378	20 328	20 625	20 972	21 347	21 737	21 972	22 308
1989 ---	22 685	22 899	22 999	23 251	23 511	23 465	23 572	23 288	23 037	22 829	22 807	22 488
1990 ---	22 457	22 478	21 996	22 045	21 993	22 120	22 274	22 427	22 542	22 467	22 340	22 195
1991 ---	22 073	21 959	22 028	21 785	21 447	21 314	21 060	20 894	20 771	20 619	20 427	20 187
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.7	-1.7	-2.6	-2.0	-1.4	-1.3	-1.3	-1.2	-1.0	-2.1	-2.1
1983 ---	-1.6	-.9	-3.1	1.3	-.9	-1.3	-.7	-2	-.6	.2	.9	-1.0
1984 ---	-.3	.9	.7	1.3	1.6	.1	.1	.4	-	-1.7	-1.3	-1.1
1985 ---	-3.0	-1.6	.6	-1.2	-1.0	-.2	-1.0	-.7	-.4	-1.1	-.6	-1.2
1986 ---	-1.1	-.4	-1.0	-.7	-.3	-.3	-.4	-2.6	-2.1	-1.3	.4	1.8
1987 ---	-1.4	-2.0	-.5	.3	-.7	.1	.6	.9	1.3	1.4	1.8	1.4
1988 ---	1.7	2.1	1.1	.7	1.0	-.2	1.5	1.7	1.8	1.8	1.1	1.5
1989 ---	1.7	.9	.4	1.1	1.1	-.2	.5	-1.2	-1.1	-.9	-.1	-1.4
1990 ---	-.1	.1	-2.1	.2	-.2	.6	.7	.7	.5	-.3	-.6	-.6
1991 ---	-.5	-.5	.3	-1.1	-1.6	-.6	-1.2	-.8	-.6	-.7	-.9	-1.2

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>BLAST FURNACES, STEEL MILLS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	15 317	15 089	14 849	14 553	14 493	14 220	14 181	13 911	13 549	13 361	13 017	12 541
1983 ---	11 956	11 698	11 160	11 472	11 505	11 335	11 447	11 274	11 106	11 176	11 263	11 043
1984 ---	10 771	10 807	10 763	10 893	11 438	11 509	11 781	11 857	11 827	11 577	11 428	11 062
1985 ---	10 664	10 295	10 236	10 199	10 275	10 262	10 288	10 245	10 188	10 083	10 096	9 720
1986 ---	9 472	9 448	9 309	9 359	9 556	9 465	9 424	9 012	8 680	8 452	8 650	8 615
1987 ---	8 446	8 136	7 921	7 949	8 048	8 061	8 151	8 245	8 339	8 513	8 668	8 672
1988 ---	8 908	8 992	8 951	9 157	9 364	9 363	9 618	9 795	10 029	10 201	10 315	10 611
1989 ---	10 668	10 693	10 736	10 899	11 076	11 037	11 275	11 261	11 233	11 175	11 302	11 157
1990 ---	11 226	11 104	10 646	10 726	10 696	10 575	10 805	10 897	11 034	10 966	11 041	11 250
1991 ---	11 051	10 783	10 701	10 593	10 491	10 299	10 381	10 317	10 334	10 154	10 150	10 281
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	15 790	15 533	15 295	14 835	14 441	14 144	13 836	13 607	13 356	13 137	12 779	12 556
1983 ---	12 311	12 030	11 491	11 689	11 463	11 267	11 181	11 043	10 953	11 000	11 060	11 065
1984 ---	11 066	11 087	11 072	11 190	11 399	11 435	11 540	11 642	11 679	11 414	11 226	11 087
1985 ---	10 902	10 517	10 519	10 370	10 246	10 202	10 119	10 091	10 072	9 957	9 932	9 741
1986 ---	9 613	9 603	9 555	9 501	9 535	9 432	9 317	8 912	8 597	8 365	8 520	8 606
1987 ---	8 492	8 230	8 125	8 061	8 040	8 067	8 093	8 185	8 271	8 443	8 555	8 622
1988 ---	8 879	9 064	9 173	9 276	9 366	9 422	9 586	9 755	9 961	10 140	10 195	10 466
1989 ---	10 568	10 750	10 994	11 036	11 096	11 169	11 266	11 258	11 158	11 127	11 187	10 931
1990 ---	11 087	11 148	10 894	10 853	10 732	10 743	10 818	10 885	10 958	10 934	10 932	10 961
1991 ---	10 910	10 818	10 947	10 712	10 541	10 480	10 403	10 309	10 260	10 132	10 049	9 995
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.6	-1.5	-3.0	-2.7	-2.1	-2.2	-1.7	-1.8	-1.6	-2.7	-1.7
1983 ---	-2.0	-2.3	-4.5	1.7	-1.9	-1.7	-8	-1.2	-8	.4	.5	-
1984 ---	-	.2	-1	1.1	1.9	.3	.9	.3	-2.3	-1.6	-1.2	-1.2
1985 ---	-1.7	-3.5	-	-1.4	-1.2	-4	-8	-3	-2	-1.1	-3	-1.9
1986 ---	-1.3	-1	-5	-6	.4	-1.1	-1.2	-4.3	-3.5	-2.7	1.9	1.0
1987 ---	-1.3	-3.1	-1.3	-8	-3	.3	.3	1.1	1.1	2.1	1.3	.8
1988 ---	.3	2.1	1.2	1.1	1.0	.6	1.7	1.8	2.1	1.8	.5	2.7
1989 ---	1.0	1.7	2.3	.4	.5	.7	.9	-2	-7	-3	.5	-2.3
1990 ---	1.4	.6	-2.3	-4	-1.1	.1	.7	.6	.7	-2	-	.3
1991 ---	-5	-8	1.2	-2.1	-1.6	-6	-7	-9	-5	-1.2	-8	-5
<b>IRON AND STEEL FOUNDRIES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 453	1 511	1 445	1 425	1 364	1 343	1 322	1 302	1 340	1 336	1 308	1 251
1983 ---	1 246	1 273	1 291	1 334	1 298	1 254	1 206	1 219	1 218	1 202	1 184	1 209
1984 ---	1 234	1 295	1 331	1 344	1 377	1 328	1 298	1 282	1 269	1 278	1 297	1 280
1985 ---	1 349	1 390	1 407	1 394	1 335	1 299	1 234	1 221	1 224	1 200	1 191	1 208
1986 ---	1 228	1 323	1 298	1 284	1 258	1 222	1 204	1 159	1 179	1 148	1 127	1 157
1987 ---	1 170	1 208	1 237	1 282	1 276	1 252	1 232	1 176	1 193	1 193	1 212	1 238
1988 ---	1 264	1 313	1 352	1 339	1 301	1 273	1 245	1 284	1 290	1 303	1 320	1 372
1989 ---	1 460	1 504	1 540	1 492	1 438	1 451	1 458	1 417	1 382	1 363	1 355	1 383
1990 ---	1 391	1 402	1 384	1 420	1 421	1 421	1 372	1 385	1 388	1 371	1 357	1 391
1991 ---	1 447	1 454	1 445	1 470	1 459	1 450	1 402	1 407	1 408	1 405	1 415	1 379
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 458	1 482	1 392	1 359	1 309	1 327	1 350	1 336	1 369	1 376	1 355	1 286
1983 ---	1 251	1 245	1 240	1 272	1 247	1 243	1 231	1 253	1 242	1 239	1 227	1 245
1984 ---	1 241	1 263	1 275	1 279	1 325	1 316	1 323	1 319	1 296	1 322	1 347	1 317
1985 ---	1 357	1 353	1 343	1 323	1 285	1 287	1 256	1 257	1 255	1 247	1 240	1 241
1986 ---	1 232	1 285	1 234	1 219	1 214	1 211	1 226	1 192	1 214	1 196	1 175	1 185
1987 ---	1 170	1 171	1 173	1 221	1 235	1 243	1 255	1 208	1 229	1 243	1 264	1 264
1988 ---	1 258	1 274	1 282	1 281	1 263	1 264	1 270	1 315	1 329	1 354	1 376	1 397
1989 ---	1 449	1 463	1 460	1 435	1 400	1 440	1 490	1 447	1 421	1 413	1 412	1 408
1990 ---	1 375	1 367	1 313	1 372	1 386	1 410	1 404	1 411	1 425	1 417	1 414	1 415
1991 ---	1 428	1 422	1 370	1 424	1 425	1 438	1 436	1 432	1 443	1 450	1 475	1 403
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.6	-6.1	-2.4	-3.7	1.4	1.7	-1.0	2.5	.5	-1.5	-5.1
1983 ---	-2.7	-5	-4	2.6	-2.0	-3	-1.0	1.8	-9	-2	-1.0	1.5
1984 ---	-3	1.8	1.0	.3	3.6	-7	.5	-3	-1.7	2.0	1.9	-2.2
1985 ---	3.0	-3	-7	-1.5	-2.9	2	-2.4	1	-2	-6	-6	.1
1986 ---	-7	4.3	-4.0	-1.2	-4	-2	1.2	-2.8	1.8	-1.5	-1.8	.9
1987 ---	-1.3	.1	2	4.1	1.1	.6	1.0	-3.7	1.7	1.1	1.7	-
1988 ---	-5	1.3	.6	-1	-1.4	.1	.5	3.5	1.1	1.9	1.6	1.5
1989 ---	3.7	1.0	-2	-1.7	-2.4	2.9	3.5	-2.9	-1.8	-6	-1	-3
1990 ---	-2.3	-6	-4.0	4.5	1.0	1.7	-4	.5	1.0	-6	-2	-
1991 ---	.9	-4	-3.7	3.9	1	9	-1	-3	.8	5	1.7	-4.9

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONFERROUS AND OTHER PRIMARY METALS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 657	11 762	11 675	11 470	11 286	11 026	10 928	10 779	10 596	10 530	10 380	10 105
1983 ---	10 296	10 409	10 289	10 401	10 380	10 167	10 052	10 085	9 986	9 943	10 076	9 783
1984 ---	9 971	10 164	10 380	10 627	10 671	10 562	10 419	10 385	10 323	10 097	9 942	9 842
1985 ---	9 546	9 582	9 788	9 773	9 677	9 584	9 438	9 285	9 194	9 028	8 928	8 879
1986 ---	8 993	8 876	8 831	8 841	8 709	8 688	8 581	8 461	8 400	8 400	8 341	8 562
1987 ---	8 609	8 516	8 558	8 693	8 534	8 450	8 498	8 576	8 682	8 692	8 886	9 068
1988 ---	9 304	9 541	9 652	9 756	9 836	9 671	9 783	9 868	10 016	10 141	10 294	10 287
1989 ---	10 683	10 766	10 608	10 906	11 104	10 895	10 836	10 579	10 438	10 220	10 122	9 976
1990 ---	9 978	10 030	9 833	9 918	9 949	10 017	10 080	10 119	10 158	10 073	9 919	9 636
1991 ---	9 691	9 776	9 746	9 735	9 549	9 454	9 256	9 149	9 074	9 010	8 837	8 616
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 575	11 607	11 439	11 205	11 114	11 004	10 942	10 855	10 754	10 707	10 583	10 332
1983 ---	10 236	10 301	10 113	10 172	10 219	10 127	10 063	10 136	10 096	10 095	10 255	10 000
1984 ---	9 925	10 089	10 239	10 404	10 507	10 506	10 425	10 422	10 409	10 246	10 118	10 040
1985 ---	9 503	9 533	9 678	9 578	9 536	9 533	9 440	9 316	9 259	9 160	9 078	9 035
1986 ---	8 948	8 834	8 744	8 677	8 597	8 648	8 679	8 614	8 516	8 522	8 467	8 691
1987 ---	8 564	8 468	8 481	8 552	8 443	8 420	8 490	8 612	8 732	8 803	8 999	9 200
1988 ---	9 265	9 474	9 579	9 620	9 749	9 642	9 769	9 902	10 057	10 243	10 401	10 445
1989 ---	10 668	10 686	10 545	10 780	11 015	10 856	10 816	10 603	10 458	10 289	10 208	10 149
1990 ---	9 995	9 963	9 789	9 820	9 875	9 967	10 052	10 131	10 159	10 116	9 994	9 819
1991 ---	9 735	9 719	9 711	9 649	9 481	9 396	9 221	9 153	9 068	9 037	8 903	8 789
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.3	-1.4	-2.0	-.8	-1.0	-.6	-.8	-.9	-.4	-1.3	-2.2
1983 ---	-.9	.6	-1.8	.6	.5	-.9	-.6	.7	-.4	-.1	1.6	-2.5
1984 ---	-.8	1.7	1.5	1.6	1.0	-.1	-.8	-.1	-.1	-1.6	-1.2	-.8
1985 ---	-5.3	.3	1.5	-1.0	-.4	-.1	-1.0	-1.3	-.6	-1.1	-.9	-.5
1986 ---	-1.0	-1.3	-1.0	-.8	-.9	.6	.4	-.7	-1.1	.1	-.6	2.6
1987 ---	-1.5	-1.1	.2	.8	-1.3	-.3	.8	1.4	1.4	.8	2.2	2.2
1988 ---	.7	2.3	1.1	.4	1.3	-1.1	1.3	1.4	1.6	1.8	1.5	.4
1989 ---	2.1	.2	-1.3	2.2	2.2	-1.4	-.4	-2.0	-1.4	-1.6	-.8	-.6
1990 ---	-1.5	-.3	-1.7	.3	.6	.9	.9	.8	.3	-.4	-1.2	-1.8
1991 ---	-.9	-.2	-.1	-.6	-1.7	-.9	-1.9	-.7	-.9	-.3	-1.5	-1.3
<b>FABRICATED METAL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 835	24 076	24 067	24 023	23 955	23 780	23 188	22 934	22 518	22 120	21 339	21 098
1983 ---	21 133	21 295	21 255	21 421	21 483	21 538	21 453	21 539	21 232	21 030	21 196	21 416
1984 ---	21 758	22 174	22 419	22 581	22 752	23 092	22 657	22 645	22 721	22 867	22 993	22 955
1985 ---	23 038	23 165	23 396	23 305	22 991	23 115	22 344	22 311	22 229	22 715	22 470	22 541
1986 ---	22 577	22 677	22 758	23 033	22 909	22 936	22 507	22 299	22 113	21 920	21 691	21 754
1987 ---	22 056	22 221	22 533	22 485	22 432	22 405	22 229	22 165	22 311	22 404	22 433	22 555
1988 ---	23 135	23 501	23 514	23 961	24 031	23 866	23 685	24 022	24 278	24 223	24 354	24 381
1989 ---	25 068	25 162	25 606	25 706	25 706	25 408	25 640	25 634	25 359	25 202	25 174	24 652
1990 ---	25 684	25 644	25 465	25 489	25 294	24 888	24 789	24 758	24 511	24 721	24 574	24 128
1991 ---	24 508	24 821	24 507	24 297	23 879	23 507	23 001	22 938	22 736	22 719	22 805	22 297
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 908	23 826	23 662	23 590	23 520	23 357	23 101	23 059	22 969	22 557	21 852	21 438
1983 ---	21 199	21 086	20 918	21 041	21 101	21 141	21 389	21 655	21 551	21 352	21 631	21 752
1984 ---	21 833	22 014	22 123	22 238	22 419	22 692	22 616	22 735	22 994	23 156	23 388	23 329
1985 ---	23 108	23 035	23 102	22 955	22 655	22 712	22 322	22 450	22 499	23 007	22 806	22 908
1986 ---	22 615	22 587	22 494	22 705	22 592	22 593	22 511	22 433	22 348	22 170	21 980	22 113
1987 ---	22 065	22 137	22 291	22 182	22 139	22 141	22 260	22 300	22 522	22 644	22 695	22 928
1988 ---	23 116	23 395	23 261	23 639	23 720	23 653	23 737	24 142	24 485	24 485	24 599	24 794
1989 ---	25 029	25 004	25 313	25 347	25 384	25 244	25 720	25 763	25 597	25 450	25 414	25 071
1990 ---	25 641	25 450	25 184	25 147	24 992	24 751	24 877	24 877	24 743	24 960	24 793	24 551
1991 ---	24 456	24 588	24 212	23 944	23 590	23 391	23 089	23 041	22 954	22 937	22 998	22 693
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.3	-.7	-.3	-.3	-.7	-1.1	-.2	-.4	-1.8	-3.1	-1.9
1983 ---	-1.1	-.5	-.8	.6	.3	.2	1.2	1.2	-.5	-.9	1.3	.6
1984 ---	.4	.8	.5	.5	.8	1.2	-.3	.5	1.1	.7	1.0	-.3
1985 ---	-.9	-.3	.3	-.6	-1.3	.3	-1.7	.6	.2	2.3	-.9	.4
1986 ---	-1.3	-.1	-.4	.9	-.5	-.1	-.4	-.3	-.4	-.8	-.9	.6
1987 ---	-.2	.3	.7	-.5	-.2	-.1	.5	.2	1.0	.5	.2	1.0
1988 ---	.8	1.2	-.6	1.6	.3	-.3	.4	1.7	1.4	-.1	.6	.8
1989 ---	.9	-.1	1.2	.1	.1	-.6	1.9	.2	-.6	-.6	-.1	-1.3
1990 ---	2.3	-.7	-1.0	-.1	-.6	-1.0	.5	-.1	-.5	.9	-.7	-1.0
1991 ---	-.4	.5	-1.5	-1.1	-1.5	-.8	-1.3	-.2	-.4	-.1	.3	-.1

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	50 134	50 797	50 793	51 387	51 574	50 914	50 546	50 005	49 086	49 152	48 252	47 024
1983 ---	46 787	47 090	46 411	46 330	46 400	45 734	44 947	44 773	44 407	44 314	44 438	43 710
1984 ---	44 256	44 995	45 215	46 120	46 630	46 611	47 015	48 060	47 666	48 267	48 483	47 802
1985 ---	48 952	49 559	49 099	49 477	49 369	48 654	48 434	48 220	47 378	46 983	46 479	45 619
1986 ---	45 876	46 022	45 600	45 233	45 130	44 000	43 783	43 577	43 120	43 035	42 992	41 590
1987 ---	41 891	42 375	42 115	42 621	42 712	42 195	42 199	42 457	41 667	42 267	42 611	42 279
1988 ---	43 136	44 001	44 121	44 580	45 106	44 948	45 529	46 110	46 150	46 523	46 949	46 515
1989 ---	48 083	48 690	48 551	48 846	49 233	49 006	49 578	49 956	49 498	49 904	50 155	48 728
1990 ---	49 849	50 497	49 583	50 089	50 393	49 265	49 580	49 744	49 327	49 595	49 751	48 024
1991 ---	49 119	50 001	49 238	49 581	49 512	48 004	48 244	48 212	47 560	47 626	47 262	45 309
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	50 232	50 214	50 208	50 586	50 695	50 540	50 545	50 165	49 656	49 822	48 812	47 891
1983 ---	46 939	46 598	45 983	45 688	45 664	45 500	44 943	44 806	44 828	44 751	44 866	44 561
1984 ---	44 448	44 548	44 874	45 550	45 950	46 451	47 001	48 000	48 063	48 596	48 833	48 729
1985 ---	49 198	49 142	48 811	48 927	48 728	48 570	48 408	48 103	47 746	47 205	46 701	46 488
1986 ---	46 064	45 648	45 398	44 783	44 626	43 991	43 747	43 444	43 452	43 207	43 131	42 392
1987 ---	42 023	42 024	41 962	42 228	42 273	42 237	42 137	42 303	41 979	42 395	42 691	43 135
1988 ---	43 262	43 601	43 997	44 181	44 643	45 054	45 461	45 926	46 485	46 614	46 976	47 493
1989 ---	48 220	48 216	48 463	48 442	48 717	49 187	49 515	49 746	49 821	49 978	50 147	49 764
1990 ---	49 946	49 968	49 527	49 700	49 854	49 503	49 546	49 526	49 611	49 639	49 714	49 118
1991 ---	49 221	49 498	49 210	49 219	48 984	48 242	48 211	47 981	47 798	47 634	47 205	46 406
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	-	8	.2	-.3	-	-.8	-1.0	.3	-2.0	-1.9
1983 ---	-2.0	-.7	-1.3	-.6	-.1	-.4	-1.2	-.3	-	-.2	.3	-.7
1984 ---	-.3	.2	.7	1.5	.9	1.1	1.2	2.1	.1	1.1	.5	-.2
1985 ---	1.0	-.1	-.7	.2	-.4	-.3	-.3	-.6	-.7	-1.1	-1.1	-.5
1986 ---	-.9	-.9	-.5	-1.4	-.4	-1.4	-.6	-.7	-	-.6	-.2	-1.7
1987 ---	-.9	-	-.1	.6	.1	-.1	-.2	.4	-.8	1.0	.7	1.0
1988 ---	.3	.8	.9	.4	1.0	.9	.9	1.0	1.2	.3	.8	1.1
1989 ---	1.5	-	.5	-	.6	1.0	.7	.5	.2	.3	.3	-.8
1990 ---	.4	-	-.9	.3	.3	-.7	-.1	-	-.2	.1	.2	-1.2
1991 ---	.2	.6	-.6	-	-.5	-1.5	-.1	-.5	-.4	-.3	-.9	-1.7
<b>ENGINES AND TURBINES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 736	3 788	3 759	3 817	3 780	3 680	3 659	3 525	3 409	3 425	3 334	3 277
1983 ---	3 256	3 252	3 117	3 138	3 174	3 144	3 184	3 171	3 142	3 236	3 131	3 013
1984 ---	3 035	3 222	3 236	3 382	3 483	3 401	3 486	3 567	3 335	3 447	3 400	3 019
1985 ---	3 178	3 205	3 010	3 057	3 185	3 079	3 018	3 027	2 948	3 007	2 980	2 652
1986 ---	2 713	2 749	2 785	2 777	2 788	2 729	2 772	2 793	2 744	2 766	2 781	2 504
1987 ---	2 553	2 647	2 669	2 746	2 779	2 801	2 849	2 818	2 809	2 889	2 879	2 656
1988 ---	2 755	2 903	2 928	3 012	3 105	3 185	3 244	3 316	3 370	3 497	3 566	3 099
1989 ---	3 264	3 361	3 352	3 439	3 483	3 535	3 637	3 641	3 514	3 578	3 576	2 964
1990 ---	3 113	3 207	3 266	3 345	3 408	3 382	3 468	3 525	3 484	3 639	3 707	3 244
1991 ---	3 393	3 544	3 523	3 605	3 653	3 539	3 600	3 634	3 542	3 654	3 597	3 275
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 735	3 688	3 727	3 744	3 710	3 661	3 663	3 559	3 480	3 432	3 343	3 380
1983 ---	3 293	3 193	3 111	3 094	3 112	3 127	3 155	3 164	3 185	3 201	3 116	3 149
1984 ---	3 105	3 196	3 253	3 357	3 412	3 381	3 434	3 527	3 358	3 385	3 360	3 175
1985 ---	3 269	3 208	3 028	3 039	3 124	3 061	2 972	2 975	2 945	2 931	2 915	2 820
1986 ---	2 813	2 772	2 818	2 770	2 742	2 711	2 721	2 727	2 723	2 683	2 703	2 688
1987 ---	2 677	2 698	2 722	2 749	2 739	2 778	2 778	2 750	2 756	2 788	2 782	2 870
1988 ---	2 908	2 967	2 968	3 012	3 086	3 161	3 161	3 210	3 310	3 361	3 436	3 356
1989 ---	3 452	3 434	3 423	3 437	3 443	3 508	3 544	3 520	3 455	3 435	3 439	3 212
1990 ---	3 294	3 278	3 337	3 340	3 367	3 357	3 379	3 402	3 423	3 481	3 557	3 562
1991 ---	3 611	3 646	3 614	3 601	3 603	3 511	3 499	3 488	3 471	3 477	3 440	3 627
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.3	1.1	.5	-.9	-1.3	.1	-2.8	-2.2	-1.4	-2.6	1.1
1983 ---	-2.6	-3.0	-2.6	-.5	.6	.5	.9	.3	.7	.5	-2.7	1.1
1984 ---	-1.4	.2	1.8	3.2	1.6	-.9	1.6	2.7	-4.8	.8	-.7	-5.5
1985 ---	3.0	-1.9	-5.6	.4	2.8	-2.0	-2.9	.1	-1.0	-.5	-.5	-3.3
1986 ---	-.2	-1.5	1.7	-1.7	-1.0	-1.1	.4	.2	-.1	-1.5	.7	-.6
1987 ---	-.4	.8	.9	1.0	-.4	1.4	-	-1.7	1.3	.8	-.2	3.2
1988 ---	1.3	2.0	.7	.8	1.9	3.0	-	1.6	3.1	1.5	2.2	-2.3
1989 ---	2.9	-.5	-.3	.4	.2	1.9	1.0	-.7	-1.8	-.6	.1	-6.6
1990 ---	2.6	-.5	1.8	.1	.8	-.3	.7	.7	.6	1.7	2.2	.1
1991 ---	1.4	1.0	-.9	-.4	.1	-2.6	-.3	-.3	-.5	.2	-1.1	5.4

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
FARM AND GARDEN MACHINERY—TOTAL INVENTORIES												
Not Seasonally Adjusted—Millions of Dollars												
1982 ---	3 354	3 402	3 410	3 365	3 318	3 293	3 114	3 060	3 023	3 005	2 712	2 772
1983 ---	2 676	2 801	2 722	2 766	2 747	2 810	2 703	2 758	2 867	2 733	2 856	2 769
1984 ---	2 905	3 036	2 897	2 966	2 895	2 919	2 814	3 012	3 023	2 870	2 968	2 887
1985 ---	2 846	2 962	2 906	2 783	2 671	2 640	2 604	2 582	2 512	2 405	2 387	2 539
1986 ---	2 493	2 628	2 556	2 412	2 375	2 271	2 197	2 158	2 111	2 117	2 132	2 171
1987 ---	2 183	2 253	2 267	2 174	2 152	2 048	2 019	2 025	2 019	2 093	2 099	2 278
1988 ---	2 371	2 410	2 447	2 385	2 360	2 369	2 349	2 457	2 490	2 513	2 580	2 616
1989 ---	2 744	2 768	2 770	2 672	2 624	2 624	2 478	2 463	2 446	2 394	2 455	2 584
1990 ---	2 613	2 688	2 710	2 651	2 635	2 610	2 576	2 596	2 648	2 600	2 682	2 641
1991 ---	2 698	2 790	2 747	2 601	2 571	2 428	2 332	2 369	2 369	2 362	2 379	2 371
Seasonally Adjusted—Millions of Dollars												
1982 ---	3 318	3 214	3 246	3 237	3 242	3 234	3 167	3 115	3 085	3 195	2 881	2 824
1983 ---	2 645	2 646	2 596	2 676	2 703	2 777	2 764	2 804	2 909	2 885	3 010	2 807
1984 ---	2 869	2 868	2 763	2 884	2 864	2 907	2 890	3 068	3 068	3 008	3 105	2 907
1985 ---	2 901	2 797	2 765	2 716	2 652	2 652	2 688	2 636	2 561	2 506	2 478	2 543
1986 ---	2 445	2 482	2 423	2 359	2 362	2 300	2 273	2 211	2 167	2 199	2 201	2 165
1987 ---	2 132	2 126	2 142	2 129	2 141	2 084	2 095	2 083	2 082	2 171	2 153	2 270
1988 ---	2 308	2 274	2 309	2 337	2 345	2 416	2 443	2 536	2 571	2 603	2 634	2 610
1989 ---	2 665	2 613	2 615	2 619	2 607	2 677	2 586	2 545	2 520	2 479	2 494	2 588
1990 ---	2 534	2 540	2 561	2 600	2 617	2 663	2 691	2 682	2 722	2 693	2 719	2 651
1991 ---	2 616	2 638	2 598	2 552	2 554	2 476	2 437	2 447	2 432	2 448	2 408	2 383
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	-3.1	1.0	-3	2	-2	-2.1	-1.6	-1.0	3.6	-9.8	-2.0
1983 ---	-6.3	-	-1.9	3.1	1.0	2.7	-5	1.4	3.7	-8	4.3	-6.7
1984 ---	2.2	-	-3.7	4.4	-7	1.5	-6	6.2	-	-2.0	3.2	-6.4
1985 ---	-2	-3.6	-1.1	-1.8	-2.4	-	1.4	-1.9	-2.8	-2.1	-1.1	2.6
1986 ---	-3.9	1.5	-2.4	-2.6	-1	-2.6	-1.2	-2.7	-2.0	1.5	.1	-1.6
1987 ---	-1.5	-3	.8	-6	-	-2.7	.5	-6	-	4.3	-8	5.4
1988 ---	1.7	-1.5	1.5	1.2	.3	3.0	1.1	3.8	1.4	1.2	1.2	-9
1989 ---	2.1	-2.0	.1	.2	-5	2.7	-3.4	-1.6	-1.0	-1.6	.6	3.8
1990 ---	-2.1	.2	.8	1.5	.7	1.8	1.1	-3	1.5	-1.1	1.0	-2.5
1991 ---	-1.3	.8	-1.5	-1.8	.1	-3.1	-1.6	.4	-6	.7	-1.6	-1.0
CONSTRUCTION, MINING, AND MATERIAL HANDLING EQUIPMENT—TOTAL INVENTORIES												
Not Seasonally Adjusted—Millions of Dollars												
1982 ---	12 189	12 531	12 834	13 218	13 401	13 150	13 033	12 926	12 413	12 424	12 171	11 894
1983 ---	11 673	11 597	11 353	11 068	10 936	10 615	10 175	10 075	9 874	9 774	9 721	9 452
1984 ---	9 490	9 410	9 407	9 517	9 428	9 159	9 088	9 291	9 186	9 247	9 243	9 094
1985 ---	8 940	8 921	8 917	8 818	8 775	8 523	8 299	8 234	8 091	7 907	7 749	7 765
1986 ---	7 664	7 655	7 507	7 279	7 236	7 037	6 898	6 859	6 833	6 833	6 805	6 527
1987 ---	6 569	6 618	6 482	6 427	6 320	6 177	6 095	6 285	6 063	6 066	6 089	6 122
1988 ---	6 335	6 340	6 411	6 413	6 439	6 345	6 351	6 435	6 382	6 382	6 491	6 601
1989 ---	6 690	6 816	6 706	6 764	6 760	6 797	6 851	6 700	6 668	6 641	6 609	6 588
1990 ---	6 764	6 839	6 737	6 785	6 766	6 713	6 590	6 627	6 637	6 660	6 656	6 749
1991 ---	7 014	7 099	7 009	7 094	7 082	6 978	6 855	6 816	6 710	6 636	6 483	6 336
Seasonally Adjusted—Millions of Dollars												
1982 ---	12 174	12 392	12 610	12 957	13 142	13 063	13 092	13 014	12 667	12 671	12 299	12 045
1983 ---	11 654	11 459	11 161	10 858	10 729	10 589	10 286	10 137	10 048	9 918	9 798	9 559
1984 ---	9 473	9 292	9 255	9 358	9 267	9 165	9 229	9 342	9 315	9 343	9 298	9 193
1985 ---	8 920	8 801	8 785	8 687	8 643	8 552	8 438	8 277	8 186	7 967	7 788	7 844
1986 ---	7 643	7 543	7 406	7 184	7 144	7 068	7 005	6 994	7 069	6 980	6 847	6 595
1987 ---	6 544	6 514	6 403	6 348	6 248	6 202	6 174	6 316	6 124	6 108	6 140	6 190
1988 ---	6 306	6 233	6 342	6 333	6 368	6 358	6 419	6 468	6 449	6 539	6 563	6 682
1989 ---	6 653	6 691	6 641	6 673	6 681	6 799	6 758	6 736	6 746	6 703	6 698	6 652
1990 ---	6 722	6 704	6 678	6 687	6 682	6 705	6 655	6 665	6 718	6 729	6 757	6 839
1991 ---	6 964	6 953	6 951	6 989	6 991	6 963	6 924	6 857	6 792	6 707	6 585	6 425
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	1.8	1.8	2.8	1.4	-6	.2	-6	-2.7	-	-2.9	-2.1
1983 ---	-3.2	-1.7	-2.6	-2.7	-1.2	-1.3	-2.9	-1.4	-9	-1.3	-1.2	-2.4
1984 ---	-9	-1.9	-4	1.1	-1.0	-1.1	.7	1.2	-3	.3	-5	-1.1
1985 ---	-3.0	-1.3	-2	-1.1	-5	-1.3	-1.3	-1.9	-1.1	-2.7	-2.2	.7
1986 ---	-2.6	-1.3	-1.8	-3.0	-6	-1.1	-9	-2	1.1	-1.3	-1.9	-3.7
1987 ---	-8	-5	-1.7	-9	-1.6	-7	-5	2.3	-3.0	-3	.5	.8
1988 ---	1.9	-1.2	1.7	-1	.6	-2	1.0	.8	-3	1.4	.4	1.8
1989 ---	-4	.6	-7	.5	.1	1.8	-6	-3	.1	-6	-1	-7
1990 ---	1.1	-3	-4	.1	-1	.3	-7	.2	.8	.2	.4	1.2
1991 ---	1.8	-2	-	.5	-	-4	-6	-1.0	-9	-1.3	-1.8	-2.4

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>METALWORKING MACHINERY—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 389	5 506	5 464	5 451	5 416	5 362	5 246	5 191	5 102	5 110	5 034	4 749
1983 ---	4 694	4 679	4 621	4 615	4 599	4 594	4 564	4 529	4 469	4 418	4 410	4 349
1984 ---	4 377	4 426	4 454	4 508	4 546	4 590	4 571	4 652	4 705	4 698	4 716	4 608
1985 ---	4 838	4 873	4 923	5 018	5 059	5 110	5 128	5 170	5 115	5 115	5 125	5 068
1986 ---	5 148	5 181	5 107	4 991	5 042	4 954	4 961	4 973	4 954	4 925	4 935	4 820
1987 ---	4 886	4 911	4 907	4 976	4 927	4 919	4 879	4 867	4 815	4 815	4 791	4 743
1988 ---	4 790	4 823	4 814	4 910	4 834	4 923	5 026	5 122	5 121	5 037	5 087	5 061
1989 ---	5 292	5 423	5 396	5 524	5 661	5 609	5 714	5 781	5 762	5 893	5 762	5 634
1990 ---	5 700	5 755	5 707	5 854	5 893	5 704	5 776	5 871	5 864	5 986	5 930	5 661
1991 ---	5 752	5 795	5 791	5 894	5 904	5 705	5 752	5 822	5 714	5 685	5 703	5 495
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 425	5 515	5 442	5 395	5 347	5 306	5 215	5 164	5 115	5 152	5 068	4 855
1983 ---	4 725	4 685	4 606	4 571	4 550	4 550	4 540	4 502	4 474	4 448	4 435	4 445
1984 ---	4 403	4 430	4 446	4 469	4 505	4 551	4 551	4 621	4 706	4 723	4 741	4 705
1985 ---	4 863	4 876	4 920	4 975	5 020	5 077	5 108	5 131	5 110	5 136	5 151	5 175
1986 ---	5 170	5 182	5 113	4 947	5 003	4 934	4 939	4 929	4 947	4 941	4 961	4 924
1987 ---	4 907	4 909	4 921	4 930	4 882	4 915	4 857	4 817	4 803	4 826	4 813	4 853
1988 ---	4 815	4 821	4 835	4 860	4 879	4 933	5 003	5 062	5 105	5 043	5 104	5 186
1989 ---	5 327	5 424	5 428	5 464	5 584	5 637	5 690	5 704	5 737	5 895	5 774	5 785
1990 ---	5 744	5 760	5 746	5 788	5 800	5 743	5 754	5 786	5 836	5 984	5 934	5 820
1991 ---	5 800	5 804	5 834	5 827	5 803	5 750	5 731	5 735	5 685	5 681	5 702	5 653
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.7	-1.3	-9	-9	-8	-1.7	-1.0	-9	-7	-1.6	-4.2
1983 ---	-2.7	-8	-1.7	-8	-5	-	-2	-8	-6	-6	-3	-
1984 ---	-9	.6	.4	.5	.8	1.0	.5	1.5	1.8	.4	.4	-8
1985 ---	3.4	.3	.9	1.1	.9	1.1	.6	5	-4	.5	.3	.5
1986 ---	-1	.2	-1.3	-3.2	1.1	-1.4	.1	-2	.4	-1	.4	-7
1987 ---	-3	-	.2	.2	-1.0	.7	-1.2	-8	-3	.5	-3	.8
1988 ---	-8	.1	.3	.5	.4	1.1	1.4	1.2	.8	-1.2	1.2	1.6
1989 ---	2.7	1.8	.1	.7	2.2	.9	.9	.2	.6	2.8	-2.1	.2
1990 ---	-7	.3	-2	.7	.2	-1.0	.2	.6	.9	2.5	-8	-1.9
1991 ---	-3	.1	.5	-1	-4	-9	-3	.1	-9	-1	.4	-9
<b>COMPUTER AND OFFICE EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 987	9 120	9 095	9 234	9 470	9 437	9 641	9 668	9 656	9 750	9 662	9 366
1983 ---	9 496	9 728	9 670	9 762	9 932	9 920	10 046	10 076	9 903	9 923	9 948	9 912
1984 ---	9 866	10 137	10 306	10 691	11 073	11 210	11 757	12 031	11 865	12 373	12 399	12 573
1985 ---	12 682	12 868	12 888	13 038	12 919	12 675	12 768	12 658	12 552	12 242	11 904	11 525
1986 ---	11 443	11 506	11 395	11 418	11 375	10 777	10 667	10 585	10 088	10 131	9 916	9 472
1987 ---	9 468	9 576	9 431	9 700	9 944	9 882	9 766	9 939	9 552	9 782	9 893	9 856
1988 ---	9 946	10 244	10 221	10 495	10 702	10 699	11 024	11 182	11 065	11 314	11 311	11 171
1989 ---	11 467	11 584	11 372	11 510	11 561	11 272	11 811	11 905	11 601	11 794	12 176	11 624
1990 ---	11 584	11 721	11 281	11 717	11 891	11 156	11 582	11 796	11 427	11 303	11 169	10 369
1991 ---	10 547	10 772	10 307	10 509	10 640	9 905	10 454	10 421	10 280	10 291	10 237	9 400
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 125	9 166	9 209	9 249	9 373	9 402	9 490	9 513	9 620	9 695	9 687	9 559
1983 ---	9 661	9 772	9 790	9 751	9 817	9 892	9 878	9 901	9 890	9 866	9 986	10 126
1984 ---	10 054	10 179	10 430	10 642	10 933	11 184	11 565	11 807	11 884	12 308	12 451	12 847
1985 ---	12 932	12 917	12 832	12 940	12 745	12 659	12 574	12 414	12 414	12 179	11 950	11 773
1986 ---	11 650	11 535	11 527	11 314	11 225	10 789	10 518	10 376	10 158	10 082	9 936	9 668
1987 ---	9 619	9 584	9 549	9 616	9 815	9 732	9 642	9 736	9 620	9 727	9 882	10 057
1988 ---	10 086	10 229	10 375	10 427	10 562	10 809	10 890	10 944	11 126	11 243	11 251	11 396
1989 ---	11 617	11 552	11 575	11 467	11 406	11 443	11 668	11 650	11 632	11 704	12 072	11 864
1990 ---	11 723	11 680	11 515	11 699	11 729	11 371	11 433	11 538	11 427	11 205	11 048	10 590
1991 ---	10 670	10 737	10 534	10 503	10 495	10 120	10 315	10 191	10 266	10 196	10 113	9 607
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.4	.5	.4	1.3	.3	.9	.2	1.1	.8	-.1	-1.3
1983 ---	1.1	1.1	.2	-.4	.7	.8	-.1	.2	-.1	-.2	1.2	1.4
1984 ---	-.7	1.2	2.5	2.0	2.7	2.3	3.4	2.1	.7	3.6	1.2	3.2
1985 ---	.7	-.1	-.7	.8	-1.5	-.7	-.7	-1.3	-.5	-1.9	-1.9	-1.5
1986 ---	-1.0	-1.0	-.1	-1.8	-.8	-3.9	-2.5	-1.4	-2.1	-.7	-1.4	-2.7
1987 ---	-.5	-.4	-.4	.7	2.1	-.8	-.9	1.0	-1.2	1.1	1.6	1.6
1988 ---	.3	1.4	1.4	.5	1.3	2.3	.7	.5	1.7	1.1	.1	1.3
1989 ---	1.9	-.6	.2	-.9	-.5	.3	2.0	-.2	.6	.3	3.1	-1.7
1990 ---	-1.2	-.4	-1.4	1.6	.3	-.3	.5	-.9	-1.0	-1.9	-1.4	-4.1
1991 ---	.8	.6	-1.9	-.3	-.1	-3.6	1.9	-1.2	.7	-.7	-.8	-5.0

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 661	25 887	26 042	26 227	26 232	26 043	25 678	25 534	25 074	25 065	24 948	24 502
1983 ---	24 608	24 660	24 712	25 080	25 416	25 658	25 367	25 604	25 461	25 728	25 778	26 277
1984 ---	26 354	27 158	27 783	28 513	29 131	29 457	29 771	30 330	30 440	31 058	31 079	30 871
1985 ---	31 407	31 732	31 918	32 236	32 532	32 513	32 211	31 996	31 347	30 878	30 158	29 791
1986 ---	29 831	29 832	29 932	30 274	30 400	30 358	30 130	29 926	29 410	29 180	28 610	27 920
1987 ---	28 293	28 578	28 830	29 214	29 577	29 483	29 326	29 313	29 116	29 262	29 220	29 087
1988 ---	29 343	29 756	29 918	30 237	30 565	30 558	30 515	30 732	30 432	30 635	30 948	30 733
1989 ---	31 255	32 029	31 996	32 666	32 880	32 453	32 739	33 043	32 429	32 718	32 553	32 229
1990 ---	32 773	33 157	33 175	33 548	33 781	33 340	33 420	33 371	32 865	32 833	32 659	31 700
1991 ---	31 963	32 127	32 170	32 549	32 519	31 999	31 990	31 698	31 197	31 081	30 796	30 052
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 966	25 882	25 860	25 767	25 616	25 575	25 493	25 470	25 339	25 318	25 391	25 094
1983 ---	24 910	24 691	24 578	24 691	24 887	25 226	25 173	25 472	25 643	25 910	26 161	26 918
1984 ---	26 702	27 265	27 704	28 135	28 559	28 973	29 494	30 107	30 587	31 229	31 527	31 632
1985 ---	31 870	31 917	31 899	31 868	31 924	31 996	31 873	31 713	31 439	30 999	30 566	30 547
1986 ---	30 293	30 024	29 946	29 940	29 815	29 864	29 811	29 656	29 506	29 309	29 023	28 635
1987 ---	28 717	28 725	28 816	28 869	28 989	29 038	29 030	29 049	29 230	29 392	29 622	29 850
1988 ---	29 765	29 859	29 892	29 881	29 959	30 154	30 240	30 489	30 579	30 755	31 320	31 537
1989 ---	31 675	32 077	31 951	32 275	32 235	32 090	32 471	32 803	32 629	32 856	32 902	33 085
1990 ---	33 198	33 160	33 121	33 151	33 125	33 008	33 155	33 134	33 067	32 955	32 966	32 544
1991 ---	32 369	32 110	32 127	32 193	31 929	31 716	31 737	31 469	31 372	31 172	31 070	30 852
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-1	-4	-6	-2	-3	-1	-5	-1	.3	-1.2
1983 ---	-7	-9	-5	.5	.8	1.4	-2	1.2	.7	1.0	1.0	2.9
1984 ---	-8	2.1	1.6	1.6	1.5	1.4	1.8	2.1	1.6	2.1	1.0	.3
1985 ---	.8	.1	-1	-1	.2	.2	-4	-5	-9	-1.4	-1.4	-1
1986 ---	-8	-9	-3	-	-4	.2	-2	-5	-5	-7	-1.0	-1.3
1987 ---	.3	-	.3	.2	.4	.2	-	.1	6	6	.8	.8
1988 ---	-3	.3	.1	-	.3	.7	.3	.8	.3	.6	1.8	.7
1989 ---	.4	1.3	-4	1.0	-1	-4	1.2	1.0	-5	.7	.1	.6
1990 ---	.3	-1	-1	.1	-1	-4	.4	-1	-2	-3	-	-1.3
1991 ---	-5	-8	.1	.2	-8	-7	.1	-8	-3	-6	-3	-7
<b>ELECTRICAL TRANSMISSION AND DISTRIBUTION EQUIPMENT AND INDUSTRIAL APPARATUS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 036	5 064	5 061	5 100	5 092	5 054	4 917	4 894	4 792	4 801	4 748	4 621
1983 ---	4 534	4 536	4 480	4 509	4 561	4 508	4 459	4 469	4 489	4 581	4 524	4 513
1984 ---	4 573	4 686	4 700	4 823	4 920	4 952	4 974	5 040	4 996	5 107	5 111	5 029
1985 ---	5 194	5 269	5 080	5 131	5 287	5 213	5 179	5 169	5 119	5 069	4 890	4 744
1986 ---	4 786	4 736	4 770	4 796	4 806	4 760	4 724	4 661	4 597	4 581	4 560	4 367
1987 ---	4 509	4 562	4 566	4 611	4 580	4 473	4 434	4 431	4 344	4 321	4 291	4 287
1988 ---	4 351	4 440	4 455	4 544	4 599	4 566	4 554	4 600	4 608	4 569	4 637	4 666
1989 ---	4 718	4 746	4 780	4 880	4 750	4 715	4 697	4 709	4 683	4 709	4 678	4 706
1990 ---	4 787	4 834	4 823	4 855	4 811	4 750	4 778	4 757	4 686	4 755	4 777	4 668
1991 ---	4 460	4 549	4 586	4 576	4 554	4 525	4 412	4 395	4 354	4 305	4 324	4 151
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 082	5 048	5 057	5 029	4 981	4 989	4 908	4 910	4 843	4 801	4 801	4 710
1983 ---	4 576	4 524	4 479	4 457	4 472	4 452	4 448	4 469	4 528	4 581	4 570	4 606
1984 ---	4 614	4 680	4 701	4 772	4 829	4 893	4 958	5 027	5 030	5 111	5 165	5 136
1985 ---	5 240	5 265	5 082	5 076	5 194	5 157	5 158	5 145	5 150	5 082	4 945	4 848
1986 ---	4 824	4 732	4 767	4 735	4 719	4 717	4 706	4 641	4 625	4 604	4 621	4 458
1987 ---	4 541	4 554	4 553	4 542	4 497	4 443	4 422	4 417	4 373	4 348	4 348	4 370
1988 ---	4 375	4 428	4 435	4 468	4 518	4 548	4 550	4 595	4 641	4 597	4 693	4 754
1989 ---	4 739	4 726	4 754	4 794	4 672	4 707	4 701	4 713	4 718	4 734	4 722	4 791
1990 ---	4 802	4 811	4 797	4 770	4 738	4 749	4 787	4 765	4 719	4 777	4 813	4 750
1991 ---	4 473	4 525	4 561	4 498	4 488	4 526	4 420	4 407	4 383	4 321	4 351	4 226
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-7	.2	-6	-1.0	.2	-1.6	-	-1.4	-9	-	-1.9
1983 ---	-2.8	-1.1	-1.0	-5	.3	-4	-1	.5	1.3	1.2	-2	.8
1984 ---	.2	1.4	.4	1.5	1.2	1.3	1.3	1.4	.1	1.6	1.1	-6
1985 ---	2.0	.5	-3.5	-1	2.3	.7	-	-3	.1	-1.3	-2.7	-2.0
1986 ---	-5	-1.9	.7	-7	-3	-	-2	-1.4	-3	-5	.4	-3.5
1987 ---	1.9	.3	-	-2	-1.0	-1.2	-5	-1	-1.0	-6	-	.5
1988 ---	.1	1.2	.2	.7	1.1	.7	-	1.0	1.0	-9	2.1	1.3
1989 ---	-3	-3	.6	.8	-2.5	.7	-1	.3	.1	.3	-3	1.5
1990 ---	.2	.2	-3	-6	-7	.2	.8	-5	-1.0	1.2	.8	-1.3
1991 ---	-5.8	1.2	.8	-1.4	-2	.8	-2.3	-3	-5	-1.4	.7	-2.9

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOUSEHOLD APPLIANCES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 536	2 557	2 578	2 642	2 677	2 649	2 617	2 440	2 342	2 343	2 279	2 299
1983 ---	2 403	2 452	2 455	2 519	2 509	2 554	2 272	2 186	2 088	2 116	2 084	2 318
1984 ---	2 298	2 463	2 646	2 821	2 867	2 743	2 678	2 638	2 625	2 722	2 692	2 722
1985 ---	2 886	2 876	2 970	2 995	2 961	2 925	2 855	2 833	2 552	2 503	2 424	2 454
1986 ---	2 501	2 579	2 665	2 747	2 777	2 824	2 671	2 541	2 455	2 466	2 401	2 387
1987 ---	2 497	2 611	2 703	2 739	2 784	2 662	2 550	2 393	2 440	2 517	2 508	2 574
1988 ---	2 663	2 769	2 798	2 898	2 954	2 844	2 725	2 675	2 516	2 573	2 648	2 720
1989 ---	2 938	3 018	3 067	3 171	3 223	3 074	3 119	3 217	3 107	3 130	3 078	2 969
1990 ---	3 132	3 275	3 340	3 448	3 523	3 310	3 078	3 093	3 025	3 045	3 011	2 842
1991 ---	2 926	3 008	2 920	2 936	2 966	2 829	2 711	2 594	2 651	2 537	2 623	2 502
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 552	2 505	2 461	2 452	2 466	2 523	2 589	2 510	2 510	2 487	2 477	2 427
1983 ---	2 417	2 407	2 342	2 335	2 315	2 436	2 244	2 252	2 233	2 240	2 257	2 453
1984 ---	2 315	2 422	2 523	2 618	2 650	2 619	2 644	2 716	2 801	2 874	2 906	2 881
1985 ---	2 916	2 832	2 833	2 784	2 738	2 797	2 823	2 915	2 714	2 638	2 602	2 596
1986 ---	2 533	2 539	2 547	2 562	2 571	2 704	2 648	2 610	2 602	2 593	2 563	2 522
1987 ---	2 535	2 585	2 590	2 563	2 581	2 556	2 535	2 455	2 578	2 638	2 657	2 723
1988 ---	2 707	2 710	2 691	2 723	2 742	2 738	2 720	2 744	2 647	2 688	2 783	2 885
1989 ---	2 988	2 946	2 961	2 987	2 992	2 969	3 124	3 300	3 256	3 263	3 209	3 161
1990 ---	3 183	3 191	3 234	3 256	3 274	3 203	3 088	3 173	3 159	3 168	3 120	3 037
1991 ---	2 973	2 929	2 832	2 776	2 759	2 741	2 720	2 662	2 763	2 636	2 710	2 682
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.8	-1.8	-4	6	2.3	2.6	-3.1	-	-9	-4	-2.0
1983 ---	-4	-4	-2.7	-3	-9	5.2	-7.9	.4	-8	.3	.8	8.7
1984 ---	-5.6	4.6	4.2	3.8	1.2	-1.2	1.0	2.7	3.1	2.6	1.1	-9
1985 ---	1.2	-2.9	-	-1.7	-1.7	2.2	9	3.3	-6.9	-2.8	-1.4	-2
1986 ---	-2.4	2	3	6	4	5.2	-2.1	-1.4	-3	-3	-1.2	-1.6
1987 ---	.5	1.2	1.0	-1.0	7	-1.0	-8	-3.2	5.0	2.3	.7	2.5
1988 ---	-6	1	-7	1.2	.7	-1	-7	.9	-3.5	1.5	3.5	3.7
1989 ---	3.6	-1.4	5	9	2	-8	5.2	5.6	-1.3	.2	-1.7	-1.5
1990 ---	.7	.3	1.3	7	6	-2.2	-3.6	2.8	-4	.3	-1.5	-2.7
1991 ---	-2.1	-1.5	-3.3	-2.0	-6	-7	-8	-2.1	3.8	-4.6	2.8	-1.0
<b>ELECTRIC LIGHTING AND WIRING EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 271	2 297	2 306	2 352	2 368	2 346	2 289	2 318	2 274	2 270	2 260	2 193
1983 ---	2 235	2 256	2 259	2 322	2 364	2 414	2 350	2 377	2 379	2 381	2 400	2 400
1984 ---	2 401	2 432	2 479	2 549	2 594	2 630	2 596	2 662	2 655	2 646	2 592	2 537
1985 ---	2 559	2 627	2 681	2 750	2 764	2 780	2 706	2 704	2 671	2 661	2 625	2 661
1986 ---	2 720	2 755	2 788	2 824	2 856	2 905	2 920	2 943	2 959	2 940	2 899	2 750
1987 ---	2 790	2 829	2 896	2 958	3 014	3 016	2 977	2 972	2 937	2 918	2 916	2 914
1988 ---	2 972	3 058	3 119	3 179	3 259	3 291	3 265	3 239	3 245	3 281	3 239	3 084
1989 ---	3 159	3 133	3 169	3 301	3 331	3 356	3 291	3 234	3 177	3 254	3 179	3 066
1990 ---	3 159	3 184	3 204	3 252	3 308	3 301	3 255	3 217	3 182	3 183	3 135	3 015
1991 ---	3 068	3 141	3 158	3 189	3 202	3 199	3 123	3 068	3 015	3 030	2 993	2 844
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 316	2 308	2 294	2 299	2 297	2 272	2 276	2 295	2 276	2 302	2 304	2 289
1983 ---	2 281	2 272	2 253	2 275	2 301	2 342	2 337	2 348	2 376	2 403	2 438	2 500
1984 ---	2 457	2 458	2 479	2 504	2 529	2 553	2 578	2 626	2 647	2 660	2 630	2 638
1985 ---	2 626	2 662	2 685	2 708	2 697	2 700	2 679	2 669	2 660	2 665	2 661	2 768
1986 ---	2 797	2 797	2 794	2 784	2 786	2 819	2 882	2 908	2 948	2 939	2 940	2 866
1987 ---	2 870	2 873	2 903	2 919	2 937	2 926	2 931	2 942	2 929	2 911	2 955	3 046
1988 ---	3 058	3 103	3 126	3 138	3 171	3 190	3 210	3 213	3 244	3 270	3 280	3 231
1989 ---	3 249	3 175	3 176	3 258	3 238	3 251	3 235	3 213	3 181	3 240	3 215	3 220
1990 ---	3 250	3 222	3 211	3 209	3 214	3 195	3 199	3 200	3 191	3 169	3 168	3 170
1991 ---	3 156	3 174	3 165	3 146	3 111	3 095	3 070	3 054	3 025	3 016	3 023	2 992
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-6	2	-1	-1.1	.2	.8	-8	1.1	1	-7
1983 ---	-3	-4	-8	1.0	1.1	1.8	-2	.5	1.2	1.1	1.5	2.5
1984 ---	-1.7	-	9	1.0	1.0	9	1.0	1.9	.8	.5	-1.1	.3
1985 ---	-5	1.4	9	9	-4	.1	-8	-4	-3	.2	-2	4.0
1986 ---	1.0	-	-1	-4	.1	1.2	2.2	.9	1.4	-3	-	-2.5
1987 ---	.1	.1	1.0	6	6	-4	.2	.4	-4	-6	1.5	3.1
1988 ---	4	1.5	.7	4	1.1	.6	.6	.1	1.0	.8	3	-1.5
1989 ---	6	-2.3	-	2.6	-6	4	-5	-7	-1.0	1.9	-8	.2
1990 ---	9	-9	-3	-1	.2	-6	.1	-	-3	-7	-	.1
1991 ---	-4	6	-3	-6	-1.1	-5	-8	-5	-9	-3	2	-1.0

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOUSEHOLD AUDIO AND VIDEO EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 289	1 287	1 281	1 307	1 325	1 306	1 318	1 305	1 265	1 214	1 159	1 078
1983 ---	1 035	1 014	998	1 036	1 043	1 065	1 046	1 116	1 086	1 034	1 048	1 062
1984 ---	1 036	1 095	1 115	1 179	1 255	1 328	1 384	1 437	1 443	1 441	1 365	1 426
1985 ---	1 421	1 388	1 406	1 454	1 518	1 499	1 500	1 482	1 454	1 366	1 344	1 267
1986 ---	1 191	1 186	1 187	1 278	1 289	1 292	1 258	1 190	1 086	1 005	945	882
1987 ---	928	981	1 018	1 059	1 097	1 105	1 149	1 167	1 112	1 105	1 070	1 009
1988 ---	1 018	989	952	1 015	1 013	1 011	1 081	1 037	981	961	941	854
1989 ---	969	1 032	1 053	1 134	1 172	1 080	1 211	1 196	1 186	1 116	1 086	1 138
1990 ---	1 151	1 173	1 143	1 193	1 231	1 250	1 269	1 287	1 248	1 202	1 105	1 076
1991 ---	1 089	1 086	1 038	1 016	1 034	1 086	1 099	1 160	1 156	1 166	1 110	1 141
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 361	1 347	1 334	1 314	1 283	1 265	1 258	1 236	1 235	1 221	1 173	1 105
1983 ---	1 098	1 068	1 045	1 042	1 012	1 028	994	1 054	1 052	1 037	1 082	1 098
1984 ---	1 104	1 157	1 172	1 184	1 217	1 276	1 307	1 354	1 395	1 447	1 391	1 486
1985 ---	1 518	1 469	1 482	1 451	1 467	1 433	1 408	1 392	1 410	1 376	1 383	1 331
1986 ---	1 273	1 252	1 251	1 265	1 239	1 234	1 176	1 117	1 058	1 017	980	842
1987 ---	989	1 030	1 071	1 044	1 053	1 056	1 073	1 085	1 087	1 120	1 120	1 069
1988 ---	1 078	1 028	997	1 000	975	969	1 014	974	959	973	991	1 012
1989 ---	1 017	1 062	1 100	1 120	1 134	1 039	1 142	1 125	1 158	1 127	1 149	1 206
1990 ---	1 197	1 199	1 191	1 184	1 198	1 205	1 203	1 213	1 215	1 210	1 172	1 139
1991 ---	1 126	1 106	1 081	1 011	1 008	1 049	1 045	1 094	1 122	1 173	1 180	1 206
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.0	-1.0	-1.5	-2.4	-1.4	-6	-1.7	-1	-1.1	-3.9	-5.8
1983 ---	-6	-2.7	-2.2	-3	-2.9	1.6	-3.3	6.0	-2	-1.4	2.4	3.4
1984 ---	5	4.8	1.3	1.0	2.8	4.8	2.4	3.6	3.0	3.7	-3.9	6.8
1985 ---	2.2	-3.2	.9	-2.1	1.1	-2.3	-1.7	-1.1	1.3	-2.4	.5	-3.8
1986 ---	-4.4	-1.6	-1	1.1	-2.1	-4	-4.7	-5.0	-5.3	-3.8	-3.6	-3.9
1987 ---	5.0	4.1	4.0	-2.5	.8	.3	1.6	2.1	.7	3.0	-	-4.6
1988 ---	.8	-4.6	-3.0	.3	-2.5	-6	4.6	-3.9	-1.5	1.5	1.8	2.1
1989 ---	.5	4.4	3.6	1.8	1.3	-8.4	9.9	-1.5	2.9	-2.7	2.0	5.0
1990 ---	-7	.2	-7	-6	1.2	.6	-2	.8	.2	-4	-3.1	-2.8
1991 ---	-1.1	-1.8	-2.3	-6.5	-2	4.0	-4	4.7	2.6	4.5	.6	2.2
<b>COMMUNICATION EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 850	5 943	6 004	5 975	5 935	5 876	5 836	5 863	5 821	5 805	5 896	5 724
1983 ---	5 801	5 830	5 919	5 996	6 113	6 116	6 245	6 310	6 342	6 439	6 445	6 530
1984 ---	6 593	6 770	7 004	7 054	7 224	7 340	7 587	7 739	7 902	8 226	8 299	8 217
1985 ---	8 313	8 451	8 471	8 522	8 508	8 579	8 631	8 598	8 506	8 395	8 197	7 997
1986 ---	7 820	7 689	7 565	7 492	7 408	7 191	7 143	7 006	6 753	6 552	6 326	6 079
1987 ---	6 092	6 109	6 047	6 131	6 176	6 199	6 244	6 280	6 249	6 298	6 345	6 135
1988 ---	6 160	6 247	6 287	6 348	6 424	6 498	6 492	6 673	6 687	6 737	6 795	6 586
1989 ---	6 559	6 890	6 599	6 719	6 896	6 880	6 934	6 969	6 818	6 978	7 045	7 021
1990 ---	7 151	7 203	7 105	7 168	7 195	7 126	7 236	7 398	7 386	7 381	7 410	7 053
1991 ---	7 193	7 265	7 410	7 620	7 532	7 294	7 431	7 301	7 113	7 186	7 177	7 191
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 880	5 936	5 936	5 920	5 887	5 878	5 825	5 848	5 837	5 803	5 911	5 831
1983 ---	5 845	5 835	5 871	5 959	6 072	6 117	6 215	6 278	6 338	6 422	6 449	6 646
1984 ---	6 659	6 795	6 984	7 033	7 183	7 335	7 528	7 680	7 872	8 182	8 293	8 359
1985 ---	8 419	8 506	8 489	8 520	8 467	8 565	8 545	8 508	8 449	8 329	8 175	8 144
1986 ---	7 940	7 752	7 615	7 503	7 372	7 167	7 066	6 920	6 702	6 495	6 301	6 191
1987 ---	6 191	6 162	6 100	6 142	6 143	6 176	6 182	6 174	6 202	6 247	6 310	6 248
1988 ---	6 262	6 299	6 347	6 358	6 382	6 478	6 437	6 581	6 651	6 687	6 752	6 696
1989 ---	6 663	6 944	6 654	6 727	6 846	6 869	6 886	6 874	6 795	6 931	6 992	7 124
1990 ---	7 261	7 258	7 153	7 178	7 139	7 124	7 192	7 303	7 376	7 334	7 354	7 141
1991 ---	7 298	7 320	7 456	7 631	7 473	7 297	7 385	7 208	7 101	7 141	7 126	7 272
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.0	-	-3	-6	-2	-9	.4	-2	-6	1.9	-1.4
1983 ---	.2	-2	.6	1.5	.9	.7	1.6	1.0	1.3	1.3	.4	3.1
1984 ---	.2	2.0	2.8	.7	2.1	2.1	2.6	2.0	2.5	3.9	1.4	.8
1985 ---	.7	1.0	-2	.4	-6	1.2	-2	-4	-7	-1.4	-1.8	-4
1986 ---	-2.5	-2.4	-1.8	-1.5	-1.7	-2.8	-1.4	-2.1	-3.2	-3.1	-3.0	-1.7
1987 ---	-	-5	-1.0	.7	-	.5	.1	-1	.5	.7	1.0	-1.0
1988 ---	.2	.6	.8	.2	.4	1.5	-6	2.2	1.1	.5	1.0	-8
1989 ---	-5	4.2	-4.2	1.1	1.8	.3	.2	-2	-1.1	2.0	.9	1.9
1990 ---	1.9	-	-1.4	.3	-5	-2	1.0	1.5	1.0	-6	.3	-2.9
1991 ---	2.2	.3	1.9	2.3	-2.1	-2.4	1.2	-2.4	-1.5	.6	-2	2.0

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ELECTRONIC COMPONENTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 972	6 024	6 110	6 116	6 104	6 128	6 105	6 106	6 043	6 119	6 124	6 198
1983 ---	6 166	6 114	6 139	6 166	6 248	6 369	6 431	6 552	6 480	6 577	6 656	6 833
1984 ---	6 804	7 002	7 050	7 193	7 297	7 419	7 517	7 672	7 655	7 731	7 869	7 825
1985 ---	7 902	7 915	8 048	8 049	8 152	8 166	8 090	7 971	7 856	7 718	7 565	7 521
1986 ---	7 573	7 582	7 587	7 701	7 761	7 799	7 783	7 899	7 827	7 900	7 768	7 897
1987 ---	7 875	7 832	7 857	7 891	8 026	8 122	8 115	8 238	8 225	8 316	8 303	8 382
1988 ---	8 497	8 601	8 611	8 639	8 663	8 778	8 862	8 999	8 919	8 995	9 167	9 030
1989 ---	9 170	9 352	9 418	9 523	9 563	9 478	9 698	9 949	9 752	9 771	9 794	9 641
1990 ---	9 644	9 655	9 749	9 770	9 860	9 795	9 983	9 809	9 702	9 673	9 672	9 515
1991 ---	9 572	9 398	9 427	9 573	9 575	9 508	9 629	9 568	9 378	9 322	9 118	8 841
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 015	6 010	6 089	6 079	6 051	6 048	6 055	6 087	6 097	6 156	6 193	6 245
1983 ---	6 210	6 110	6 131	6 142	6 206	6 296	6 384	6 508	6 520	6 603	6 717	6 893
1984 ---	6 846	7 016	7 056	7 182	7 251	7 339	7 462	7 601	7 682	7 749	7 938	7 905
1985 ---	7 948	7 940	8 069	8 047	8 100	8 083	8 035	7 881	7 668	7 726	7 633	7 604
1986 ---	7 616	7 612	7 614	7 705	7 711	7 724	7 732	7 806	7 827	7 900	7 836	7 991
1987 ---	7 923	7 863	7 884	7 894	7 975	8 055	8 064	8 139	8 221	8 310	8 364	8 486
1988 ---	8 550	8 638	8 639	8 642	8 612	8 720	8 802	8 890	8 914	8 984	9 216	9 150
1989 ---	9 236	9 390	9 447	9 523	9 511	9 434	9 623	9 826	9 748	9 756	9 824	9 780
1990 ---	9 724	9 693	9 778	9 767	9 810	9 762	9 892	9 688	9 696	9 657	9 688	9 664
1991 ---	9 662	9 436	9 454	9 566	9 527	9 481	9 536	9 450	9 371	9 306	9 126	8 985
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	1.3	-2	-5	-	.1	.5	.2	1.0	.6	.8
1983 ---	-6	-1.6	.3	2	1.0	1.5	1.4	1.9	.2	1.3	1.7	2.6
1984 ---	-7	2.5	.6	1.8	1.0	1.2	1.7	1.9	1.1	.9	2.4	-4
1985 ---	.5	-1	1.6	-3	.7	-2	-6	-1.9	-2	-1.8	-1.2	-4
1986 ---	.2	-1	-	1.2	.1	.2	.1	1.0	.3	.9	-8	2.0
1987 ---	-9	-8	.3	.1	1.0	1.0	.1	.9	1.0	1.1	.6	1.5
1988 ---	.8	1.0	-	-	-3	1.3	.9	1.0	.3	.8	2.6	-7
1989 ---	.9	1.7	.6	.8	-1	-8	2.0	2.1	-8	.1	.7	-4
1990 ---	-6	-3	.9	-1	.4	-5	1.3	-2.1	.1	-4	.3	-2
1991 ---	-	-2.3	.2	1.2	-4	-5	.6	-9	-8	-7	-1.9	-1.5
<b>TRANSPORTATION EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	39 765	40 312	40 261	40 524	40 298	40 342	40 642	41 580	41 798	42 285	42 268	42 282
1983 ---	42 172	42 747	42 039	41 985	42 454	41 685	41 712	42 640	42 698	43 110	43 219	43 008
1984 ---	43 394	44 584	45 711	45 933	46 815	46 910	47 914	49 374	50 082	50 836	50 395	49 817
1985 ---	50 486	51 292	51 277	51 331	51 237	51 356	51 716	52 617	53 031	52 750	52 919	51 484
1986 ---	52 162	52 829	53 886	53 751	53 948	53 606	53 315	53 655	54 463	54 658	54 413	52 119
1987 ---	53 209	53 839	53 736	53 816	54 049	53 512	54 174	55 149	55 536	56 252	56 786	55 062
1988 ---	56 392	57 570	58 078	58 567	59 500	59 881	60 296	60 405	60 939	61 812	62 363	61 417
1989 ---	63 439	65 084	65 883	66 244	67 466	67 556	69 499	70 214	69 538	70 853	71 604	70 463
1990 ---	72 671	73 337	73 280	74 372	75 471	74 207	76 112	76 448	75 968	76 899	78 379	75 018
1991 ---	76 384	77 377	76 784	76 779	76 044	75 096	75 436	75 420	75 812	75 729	75 794	72 636
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	39 763	39 909	39 874	40 427	40 297	40 852	41 077	41 493	41 673	41 942	41 986	43 009
1983 ---	42 318	42 430	41 664	41 888	42 388	42 084	42 072	42 489	42 446	42 713	43 026	43 795
1984 ---	43 642	44 275	45 370	45 856	46 706	47 354	48 313	49 146	49 688	50 350	50 183	50 778
1985 ---	50 909	51 006	50 936	51 257	51 090	51 791	52 061	52 340	52 599	52 222	52 698	52 570
1986 ---	52 669	52 580	53 610	53 696	53 761	53 983	53 508	53 408	54 071	54 084	54 116	53 310
1987 ---	53 752	53 635	53 524	53 765	53 842	53 890	54 245	54 753	55 255	55 669	56 440	56 432
1988 ---	56 937	57 320	57 895	58 502	59 250	60 285	60 209	59 911	60 742	61 211	61 953	62 990
1989 ---	64 124	64 830	65 718	66 134	67 156	68 003	69 294	69 633	69 517	70 195	71 163	72 320
1990 ---	73 381	73 081	73 119	74 170	75 092	74 682	75 724	75 770	75 021	76 264	77 942	76 931
1991 ---	77 027	76 999	76 583	76 527	75 694	75 624	75 004	74 831	75 992	75 177	75 404	74 469
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.4	-1	1.4	-3	1.4	.6	1.0	.4	.6	.1	2.4
1983 ---	-1.6	.3	-1.8	.5	1.2	-.7	-.7	1.0	-.1	.6	.7	1.8
1984 ---	-.3	1.5	2.5	1.1	1.9	1.4	2.0	1.7	1.1	1.3	-.3	1.2
1985 ---	.3	.2	-.1	.6	-.3	1.4	.5	.5	.5	-.7	.9	-.2
1986 ---	.2	-.2	2.0	.2	.1	.4	-.9	-.2	1.2	-.1	-.1	-1.5
1987 ---	.8	-.2	-.2	.5	.1	.1	.7	.9	.9	.7	1.4	-.7
1988 ---	.9	.7	1.0	1.0	1.3	1.7	-.1	-.5	1.4	.8	1.2	1.7
1989 ---	1.8	1.1	1.4	.6	1.5	1.3	1.9	.5	-.2	1.0	1.4	1.6
1990 ---	1.5	-.4	.1	1.4	1.2	-.5	1.4	.1	.3	.3	2.2	-1.3
1991 ---	.1	-	-.5	-.1	-1.1	-.1	-.8	-.2	1.6	-.1	.3	-1.2

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MOTOR VEHICLES AND PARTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	9 486	9 364	9 138	8 881	8 639	8 582	8 464	8 870	8 784	8 701	8 489	8 453
1983	8 517	8 738	8 685	8 846	8 914	8 708	8 756	9 418	9 582	9 867	10 143	10 390
1984	10 773	10 981	11 020	10 841	10 901	10 738	10 806	11 444	11 621	11 895	11 660	11 671
1985	11 714	11 945	11 790	11 792	11 426	11 313	11 321	12 077	12 014	11 996	11 942	11 843
1986	11 958	12 096	11 884	11 766	11 596	11 002	10 922	11 306	11 337	11 447	11 689	11 452
1987	11 488	11 649	11 694	11 469	11 379	11 062	11 046	11 368	11 829	11 810	12 015	11 909
1988	12 423	12 421	12 090	11 934	11 712	11 491	11 402	11 954	12 011	12 041	12 360	12 138
1989	12 882	12 925	12 612	12 385	12 315	11 814	12 575	12 737	12 429	12 473	12 512	11 832
1990	12 621	12 348	11 853	11 961	11 998	11 550	12 159	12 386	12 391	12 388	13 016	13 026
1991	13 654	13 781	13 037	12 847	12 285	12 018	12 146	12 668	12 745	12 840	13 319	12 766
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	9 315	9 146	9 006	8 847	8 717	8 878	8 926	8 793	8 678	8 570	8 412	8 534
1983	8 363	8 528	8 566	8 811	9 014	9 029	9 203	9 360	9 485	9 723	10 069	10 433
1984	10 571	10 700	10 873	10 787	11 029	11 166	11 328	11 404	11 528	11 747	11 565	11 680
1985	11 485	11 620	11 626	11 726	11 561	11 788	11 850	12 068	11 940	11 884	11 827	11 832
1986	11 697	11 744	11 716	11 717	11 741	11 469	11 390	11 322	11 282	11 373	11 551	11 447
1987	11 199	11 290	11 540	11 452	11 537	11 548	11 479	11 392	11 801	11 761	11 835	11 927
1988	12 069	11 995	11 954	11 951	11 902	12 013	11 783	11 972	12 004	12 017	12 143	12 167
1989	12 484	12 451	12 504	12 433	12 549	12 365	12 940	12 745	12 451	12 461	12 250	11 871
1990	12 218	11 858	11 774	12 020	12 260	12 103	12 471	12 378	12 431	12 383	12 724	13 070
1991	13 225	13 229	12 968	12 924	12 574	12 600	12 417	12 637	12 799	12 839	13 022	12 806
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-1.8	-1.5	-1.8	-1.5	1.8	.5	-1.5	-1.3	-1.2	-1.8	1.5
1983	-2.0	2.0	.4	2.9	2.3	.2	1.9	1.7	1.3	2.5	3.6	3.6
1984	1.3	1.2	1.6	-8	2.2	1.2	1.5	.7	1.1	1.9	-1.5	1.0
1985	-1.7	1.2	.1	.9	-1.4	2.0	.5	1.8	-1.1	-5	-5	-
1986	-1.1	.4	-2	-	.2	-2.3	-7	-6	-4	.8	1.6	-9
1987	-2.2	.8	2.2	-8	.7	1	-6	-8	3.6	-3	.6	.8
1988	1.2	-6	-3	-	-4	.9	-1.9	1.6	.3	.1	1.0	.2
1989	2.6	-3	.4	-6	.9	-1.5	4.7	-1.5	-2.3	.1	-1.7	-3.1
1990	2.9	-2.9	-7	2.1	2.0	-1.3	3.0	-7	4	-4	2.8	2.7
1991	1.2	-	-2.0	-3	-2.7	.2	-1.5	1.8	1.3	.3	1.4	-1.7
<b>AIRCRAFT, MISSILES, SPACE VEHICLES, AND PARTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	25 752	26 489	26 825	27 470	27 574	27 715	28 245	28 749	29 143	29 722	29 832	29 723
1983	29 526	29 968	29 613	29 539	29 919	29 429	29 446	29 705	29 731	29 873	29 626	29 292
1984	29 399	30 362	31 455	31 867	32 617	32 839	33 755	34 519	34 896	35 309	35 081	34 574
1985	35 210	35 746	36 004	36 165	36 449	36 726	37 050	37 205	37 553	37 299	37 443	36 211
1986	36 712	37 192	38 392	38 469	38 780	38 984	38 823	38 999	39 392	39 551	39 015	37 175
1987	38 112	38 393	38 244	38 456	38 772	38 600	39 243	39 855	39 779	40 428	40 629	39 347
1988	40 114	41 214	41 952	42 698	43 716	44 335	44 726	44 303	44 659	45 396	45 612	45 374
1989	46 515	47 847	49 067	49 433	50 777	51 218	52 401	53 036	52 757	54 152	54 752	54 485
1990	55 652	56 357	56 883	57 785	58 689	58 047	59 194	59 248	58 822	60 056	60 950	57 601
1991	58 284	59 115	59 495	59 754	59 455	58 809	58 960	58 502	58 772	58 735	58 149	55 597
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	25 977	26 391	26 601	27 374	27 445	27 865	28 144	28 673	29 124	29 517	29 696	30 390
1983	29 881	29 940	29 380	29 450	29 719	29 458	29 298	29 559	29 580	29 632	29 588	30 061
1984	29 886	30 400	31 273	31 807	32 352	32 803	33 568	34 287	34 606	34 981	35 044	35 566
1985	35 891	35 852	35 851	36 122	36 148	36 641	36 814	36 895	37 205	36 888	37 404	37 315
1986	37 475	37 336	38 299	38 429	38 443	38 858	38 505	38 510	39 084	39 075	38 929	38 340
1987	38 911	38 568	38 194	38 397	38 419	38 475	38 866	39 425	39 563	39 913	40 509	40 632
1988	40 970	41 402	41 910	42 598	43 298	44 216	44 271	43 820	44 529	44 825	45 439	46 840
1989	47 469	48 045	48 994	49 261	50 264	51 137	51 671	52 497	52 779	53 499	54 556	56 182
1990	56 701	56 581	56 778	57 517	58 090	58 003	58 574	58 673	58 932	59 407	60 757	59 343
1991	59 307	59 297	59 342	59 414	58 854	58 784	58 337	58 018	58 981	58 159	57 987	57 214
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	1.6	.8	2.9	.3	1.5	1.0	1.9	1.6	1.3	.6	2.3
1983	-1.7	.2	-1.9	.2	.9	-9	-5	.9	.1	.2	-1	1.6
1984	-6	1.7	2.9	1.7	1.7	1.4	2.3	2.1	.9	1.1	.2	1.5
1985	.9	-1	-	.8	.1	1.4	.5	2	.8	-9	1.4	-2
1986	.4	-4	2.6	.3	-	1.1	-9	-	1.5	-	-4	-1.5
1987	1.5	-9	-1.0	.5	1	.1	1.0	1.4	.4	.9	1.5	.3
1988	.8	1.1	1.2	1.6	1.6	2.1	.1	-1.0	1.6	.7	1.4	3.1
1989	1.3	1.2	2.0	.5	2.0	1.7	1.4	1.2	.5	1.4	2.0	3.0
1990	.9	-2	.3	1.3	1.0	-1	1.0	2	.4	.8	2.3	-2.3
1991	-1	-	1	.1	-9	-1	-8	-5	1.7	-1.4	-3	-1.3

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>SHIPBUILDING AND TANKS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 427	2 400	2 325	2 293	2 208	2 262	2 214	2 239	2 143	2 163	2 196	2 273
1983 ---	2 350	2 339	2 192	2 185	2 154	2 083	2 046	1 968	1 836	1 794	1 798	1 601
1984 ---	1 546	1 533	1 527	1 548	1 596	1 621	1 656	1 673	1 788	1 786	1 745	1 643
1985 ---	1 649	1 697	1 694	1 702	1 667	1 656	1 708	1 652	1 717	1 703	1 715	1 583
1986 ---	1 659	1 669	1 750	1 755	1 720	1 756	1 785	1 764	1 851	1 879	1 904	1 709
1987 ---	1 800	1 836	1 893	2 023	1 972	1 930	1 997	1 967	1 986	2 036	2 058	1 803
1988 ---	1 847	1 896	1 942	1 958	2 005	1 959	2 038	2 049	2 061	2 189	2 159	1 714
1989 ---	1 965	2 056	1 908	2 013	1 971	1 953	1 948	1 926	1 966	1 885	1 928	1 766
1990 ---	1 925	1 995	2 054	2 154	2 225	2 109	2 239	2 312	2 306	2 012	1 981	1 964
1991 ---	1 949	1 913	1 921	1 855	1 975	1 994	2 056	1 975	2 012	1 855	2 019	2 043
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 479	2 411	2 342	2 297	2 210	2 250	2 192	2 239	2 103	2 129	2 165	2 365
1983 ---	2 387	2 342	2 201	2 181	2 153	2 072	2 022	1 965	1 801	1 758	1 758	1 681
1984 ---	1 583	1 548	1 544	1 538	1 589	1 616	1 634	1 669	1 751	1 750	1 714	1 707
1985 ---	1 681	1 708	1 696	1 688	1 661	1 660	1 686	1 658	1 688	1 674	1 692	1 660
1986 ---	1 705	1 697	1 760	1 734	1 707	1 762	1 753	1 762	1 809	1 828	1 866	1 801
1987 ---	1 857	1 880	1 909	1 995	1 954	1 940	1 958	1 960	1 940	1 984	2 033	1 908
1988 ---	1 904	1 942	1 957	1 931	1 986	1 968	1 986	2 015	1 992	2 142	2 141	1 808
1989 ---	2 041	2 137	1 941	1 983	1 949	1 950	1 889	1 878	1 891	1 852	1 930	1 885
1990 ---	1 999	2 069	2 089	2 123	2 196	2 099	2 155	2 224	2 198	1 985	1 999	2 079
1991 ---	2 012	1 968	1 949	1 834	1 949	1 988	1 980	1 910	1 919	1 835	2 051	2 203
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.7	-2.9	-1.9	-3.8	1.8	-2.6	2.1	-6.1	1.2	1.7	9.2
1983 ---	.9	-1.9	-6.0	-.9	-1.3	-3.8	-2.4	-2.8	-8.3	-2.4	-	-4.4
1984 ---	-5.8	-2.2	-.3	-.4	3.3	1.7	1.1	2.1	4.9	-.1	-2.1	-.4
1985 ---	-1.5	1.6	-.7	-.5	-1.6	-.1	1.6	-1.7	1.8	-.8	1.1	-1.9
1986 ---	2.7	-.5	3.7	-1.5	-1.6	3.2	-.5	.5	2.7	1.1	2.1	-3.5
1987 ---	3.1	1.2	1.5	4.5	-2.1	-.7	.9	.1	-1.0	2.3	2.5	-6.1
1988 ---	-.2	2.0	.8	-1.3	2.8	-.9	.9	1.5	-1.1	7.5	-.1	-15.6
1989 ---	12.9	4.7	-9.2	2.2	-1.7	.1	-3.1	-.6	-.7	-2.1	4.2	-2.3
1990 ---	6.0	3.5	1.0	1.6	3.4	-4.4	2.7	3.2	-1.2	-9.7	.7	4.0
1991 ---	-3.2	-2.2	-1.0	-5.9	6.3	2.0	-.4	-3.5	.5	-4.4	11.8	7.4
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 820	17 082	17 172	17 392	17 347	17 418	17 257	17 196	17 106	16 998	16 927	16 528
1983 ---	16 604	16 597	16 644	16 993	17 197	17 075	17 078	17 212	17 153	17 186	17 279	17 251
1984 ---	17 256	17 779	18 213	18 542	18 938	19 177	19 430	19 600	19 480	19 831	19 853	19 640
1985 ---	20 103	20 582	20 846	21 207	21 320	21 477	21 548	21 551	21 472	21 542	21 416	21 007
1986 ---	21 215	21 297	21 488	21 762	22 100	22 078	22 219	22 302	22 286	22 355	22 354	21 851
1987 ---	22 083	22 369	22 268	22 546	22 931	22 904	23 039	23 200	23 257	23 293	23 423	23 015
1988 ---	23 426	23 666	23 445	23 526	23 994	23 321	23 493	23 715	23 340	23 300	23 394	24 278
1989 ---	25 067	25 610	26 060	26 633	26 814	26 679	26 749	26 952	26 499	26 526	26 378	24 689
1990 ---	25 583	26 028	26 139	26 395	26 587	26 028	26 129	26 396	25 963	26 289	26 105	24 812
1991 ---	24 963	25 336	25 026	25 380	25 355	25 144	25 190	25 229	24 795	24 842	24 581	23 827
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 952	17 052	16 987	17 053	16 977	17 143	17 138	17 155	17 251	17 209	17 168	17 038
1983 ---	16 762	16 601	16 510	16 706	16 873	16 835	16 950	17 147	17 258	17 316	17 473	17 770
1984 ---	17 450	17 820	18 132	18 285	18 601	18 931	19 267	19 488	19 548	19 910	20 020	20 210
1985 ---	20 350	20 652	20 813	20 990	20 967	21 248	21 354	21 385	21 507	21 574	21 554	21 609
1986 ---	21 486	21 369	21 507	21 582	21 736	21 887	22 012	22 092	22 304	22 378	22 459	22 490
1987 ---	22 375	22 420	22 294	22 369	22 554	22 749	22 824	22 961	23 288	23 312	23 500	23 711
1988 ---	23 752	23 693	23 473	23 331	23 590	23 198	23 287	23 457	23 393	23 313	23 430	25 044
1989 ---	25 438	25 628	26 075	26 391	26 350	26 565	26 505	26 626	26 592	26 522	26 381	25 499
1990 ---	25 990	26 051	26 133	26 141	26 128	25 935	25 895	26 084	26 078	26 271	26 089	25 643
1991 ---	25 377	25 370	25 005	25 120	24 918	25 059	24 974	24 935	24 916	24 812	24 562	24 636
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.6	-.4	.4	-.4	1.0	-.1	.1	.6	-.2	-.2	-.8
1983 ---	-1.6	-1.0	-.5	1.2	1.0	-.2	.7	1.2	.6	.3	.9	1.7
1984 ---	-1.8	2.1	1.8	.8	1.7	1.8	1.8	1.1	.3	1.9	.6	.9
1985 ---	.7	1.5	.8	.9	-.1	1.3	.5	.1	.6	.3	-.1	.3
1986 ---	-.6	-.5	.6	.3	.7	.7	.6	.4	1.0	.3	.4	.1
1987 ---	-.5	-.2	-.6	-.3	.6	.9	.3	.6	1.4	-.1	.8	.9
1988 ---	-.2	-.2	-.9	-.6	1.1	-1.7	-.4	-.7	-.3	-.3	.5	6.9
1989 ---	1.6	.7	1.7	1.2	-.2	.8	-.2	.5	-.1	-.3	-.5	-3.3
1990 ---	1.9	.2	.3	-.1	-.1	-.7	-.2	-.7	-.1	-.7	-.7	-1.7
1991 ---	-1.0	-.1	-1.4	.5	-.8	.6	-.3	-.2	-.1	-.4	-1.0	.3

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>SEARCH AND NAVIGATION EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	4 565	4 674	4 759	4 772	4 777	4 766	4 769	4 827	4 829	4 852	4 963	4 856
1983	4 891	4 884	4 927	4 961	5 027	4 997	5 072	5 093	5 087	5 133	5 106	5 142
1984	5 184	5 315	5 492	5 522	5 648	5 730	5 914	6 024	6 142	6 385	6 433	6 359
1985	6 541	6 759	6 889	7 044	7 151	7 329	7 495	7 589	7 632	7 656	7 600	7 537
1986	7 628	7 763	7 905	8 099	8 285	8 331	8 562	8 693	8 684	8 729	8 735	8 702
1987	8 775	8 854	8 821	8 996	9 119	9 209	9 332	9 413	9 455	9 585	9 716	9 455
1988	9 662	9 677	9 421	9 262	9 286	8 710	8 786	8 798	8 472	8 358	8 294	9 187
1989	9 589	9 905	10 089	10 471	10 596	10 488	10 729	10 800	10 354	10 287	10 056	9 154
1990	9 312	9 582	9 525	9 724	9 797	9 619	9 694	9 663	9 438	9 533	9 357	8 686
1991	8 723	9 008	8 644	8 858	8 744	8 655	8 741	8 796	8 502	8 497	8 222	7 981
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	4 596	4 659	4 707	4 729	4 734	4 757	4 754	4 808	4 840	4 839	4 985	4 989
1983	4 935	4 877	4 885	4 923	4 984	4 987	5 043	5 063	5 089	5 112	5 128	5 287
1984	5 239	5 317	5 464	5 485	5 597	5 715	5 864	5 975	6 135	6 357	6 461	6 545
1985	6 619	6 770	6 873	7 003	7 081	7 309	7 416	7 504	7 619	7 628	7 631	7 769
1986	7 725	7 774	7 911	8 046	8 194	8 307	8 458	8 577	8 679	8 714	8 765	8 996
1987	8 900	8 847	8 836	8 922	9 009	9 183	9 206	9 270	9 469	9 578	9 742	9 805
1988	9 818	9 650	9 446	9 172	9 165	8 686	8 655	8 645	8 506	8 348	8 303	9 558
1989	9 768	9 870	10 114	10 361	10 447	10 459	10 555	10 589	10 409	10 261	10 060	9 558
1990	9 516	9 555	9 549	9 617	9 651	9 592	9 533	9 460	9 491	9 494	9 359	9 089
1991	8 933	8 993	8 665	8 757	8 612	8 630	8 585	8 606	8 549	8 455	8 228	8 362
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	1.4	1.0	.5	.1	.5	-.1	1.1	.7	-	3.0	.1
1983	-1.1	-1.2	.2	.8	1.2	1	1.1	.4	.5	.5	.3	3.1
1984	-.9	1.5	2.8	.4	2.0	2.1	2.6	1.9	2.7	3.6	1.6	1.3
1985	1.1	2.3	1.5	1.9	1.1	3.2	1.5	1.2	1.5	.1	-	1.8
1986	-.6	.6	1.8	1.7	1.8	1.4	1.8	1.4	1.2	.4	.6	2.6
1987	-1.1	-.6	-.1	1.0	1.0	1.9	.3	.7	2.1	1.2	1.7	.6
1988	-.1	-1.7	-2.1	-2.9	-.1	-5.2	-.4	-.1	-1.6	-1.9	-.5	15.1
1989	2.2	1.0	2.5	2.4	.8	.1	.9	.3	-1.7	-1.4	-2.0	-5.0
1990	-.4	.4	-.1	.7	.4	-.6	-.7	-.7	.3	-	-1.4	-2.9
1991	-1.7	.7	-3.6	1.1	-1.7	.2	-.5	-.2	-.7	-1.1	-2.7	1.6
<b>MEASURING AND CONTROLLING DEVICES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	5 334	5 378	5 392	5 523	5 440	5 495	5 407	5 325	5 308	5 274	5 248	5 151
1983	5 198	5 221	5 281	5 399	5 454	5 414	5 383	5 409	5 404	5 389	5 508	5 460
1984	5 479	5 661	5 759	5 946	6 070	6 078	6 089	6 089	6 036	6 143	6 151	6 084
1985	6 182	6 315	6 385	6 466	6 470	6 483	6 479	6 452	6 411	6 421	6 399	6 238
1986	6 233	6 183	6 197	6 204	6 266	6 230	6 177	6 138	6 192	6 212	6 260	6 029
1987	6 034	6 113	6 116	6 113	6 230	6 173	6 174	6 198	6 277	6 266	6 297	6 242
1988	6 270	6 348	6 377	6 402	6 617	6 524	6 523	6 574	6 549	6 546	6 601	6 649
1989	6 766	6 777	6 883	6 846	6 762	6 793	6 946	7 095	7 043	7 103	7 171	6 868
1990	7 054	7 111	7 267	7 210	7 232	7 189	7 247	7 261	7 181	7 302	7 287	7 003
1991	7 043	7 009	7 009	7 041	7 075	6 972	6 922	6 922	6 832	6 762	6 748	6 638
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	5 363	5 369	5 336	5 405	5 332	5 396	5 376	5 348	5 377	5 360	5 313	5 267
1983	5 238	5 220	5 235	5 293	5 357	5 328	5 352	5 425	5 460	5 448	5 553	5 579
1984	5 532	5 668	5 725	5 779	5 850	5 946	6 047	6 098	6 075	6 181	6 173	6 206
1985	6 249	6 332	6 364	6 402	6 374	6 417	6 451	6 453	6 432	6 434	6 400	6 349
1986	6 301	6 203	6 189	6 174	6 178	6 187	6 158	6 130	6 196	6 212	6 244	6 123
1987	6 096	6 137	6 110	6 104	6 150	6 148	6 161	6 184	6 274	6 239	6 265	6 333
1988	6 328	6 376	6 371	6 403	6 538	6 515	6 516	6 549	6 542	6 550	6 555	6 743
1989	6 823	6 808	6 874	6 849	6 688	6 796	6 940	7 058	7 039	7 098	7 112	6 967
1990	7 109	7 146	7 255	7 210	7 161	7 201	7 241	7 213	7 180	7 295	7 223	7 106
1991	7 098	7 046	6 995	7 037	7 011	6 988	6 915	6 872	6 835	6 752	6 684	6 740
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	.1	-.6	1.3	-1.4	1.2	-.4	-.5	.5	-.3	-.9	-.9
1983	-.6	-.3	.3	1.1	1.2	-.5	.5	1.4	.6	-.2	1.9	.5
1984	-.8	2.5	1.0	.9	1.2	1.6	1.7	.8	-.4	1.7	-.1	.5
1985	.7	1.3	.5	.6	-.4	.7	.5	-.	-.3	-.	-.5	-.8
1986	-.8	-1.6	-.2	-.2	.1	.1	-.5	-.5	1.1	.3	.5	-1.9
1987	-.4	.7	-.4	-.1	.8	.2	-.2	.4	1.5	-.6	.4	1.1
1988	-.1	.8	-.1	.5	2.1	-.4	-.	.5	-.1	.1	.1	2.9
1989	1.2	-.2	1.0	-.4	-2.4	1.6	2.1	1.7	-.3	.8	.2	-2.0
1990	2.0	.5	1.5	-.6	-.7	.6	-.4	-.4	-.5	1.6	-1.0	-1.6
1991	-.1	-.7	-.7	.6	-.4	-.3	-1.0	-.6	-.5	-1.2	-1.0	.8

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MEDICAL INSTRUMENTS AND SUPPLIES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 137	3 191	3 227	3 332	3 310	3 370	3 344	3 320	3 337	3 342	3 352	3 317
1983 ---	3 334	3 336	3 361	3 423	3 444	3 405	3 372	3 375	3 358	3 336	3 397	3 353
1984 ---	3 375	3 498	3 568	3 648	3 706	3 766	3 811	3 829	3 807	3 885	3 902	3 870
1985 ---	3 931	4 015	4 058	4 108	4 109	4 115	4 111	4 093	4 065	4 070	4 055	3 951
1986 ---	3 969	3 958	3 987	4 014	4 074	4 071	4 059	4 055	4 112	4 147	4 201	4 069
1987 ---	4 080	4 140	4 150	4 155	4 242	4 211	4 219	4 244	4 304	4 291	4 334	4 304
1988 ---	4 347	4 427	4 472	4 515	4 692	4 653	4 671	4 743	4 752	4 784	4 845	4 908
1989 ---	5 100	5 249	5 387	5 496	5 602	5 632	5 280	5 288	5 293	5 335	5 362	5 267
1990 ---	5 644	5 730	5 766	5 773	5 815	5 635	5 596	5 555	5 593	5 587	5 671	5 712
1991 ---	5 755	5 811	5 829	5 889	5 943	5 921	5 955	5 956	5 952	6 091	6 133	5 944
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 159	3 187	3 194	3 260	3 241	3 308	3 323	3 333	3 379	3 397	3 395	3 393
1983 ---	3 366	3 334	3 332	3 355	3 379	3 350	3 351	3 384	3 392	3 375	3 427	3 427
1984 ---	3 414	3 501	3 547	3 590	3 641	3 714	3 789	3 833	3 832	3 915	3 924	3 953
1985 ---	3 982	4 021	4 042	4 061	4 037	4 066	4 088	4 092	4 081	4 090	4 075	4 034
1986 ---	4 022	3 964	3 975	3 979	3 994	4 028	4 039	4 054	4 124	4 168	4 226	4 155
1987 ---	4 132	4 143	4 131	4 120	4 149	4 170	4 204	4 245	4 322	4 317	4 369	4 397
1988 ---	4 398	4 424	4 441	4 469	4 579	4 611	4 668	4 749	4 785	4 822	4 889	5 020
1989 ---	5 155	5 236	5 335	5 427	5 461	5 584	5 261	5 297	5 350	5 381	5 414	5 395
1990 ---	5 702	5 707	5 699	5 688	5 667	5 590	5 586	5 869	5 874	5 938	5 924	5 859
1991 ---	5 812	5 782	5 755	5 794	5 792	5 875	5 946	5 972	6 045	6 141	6 186	6 099
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	9	2	2.1	-6	2.1	5	3	1.4	5	-1	-1
1983 ---	-8	-1.0	-1	7	7	-9	-	1.0	2	-5	1.5	-
1984 ---	-4	2.5	1.3	1.2	1.4	2.0	2.0	1.2	-	2.2	2	7
1985 ---	7	1.0	5	5	-6	7	5	1	-3	2	-4	-1.0
1986 ---	-3	-1.4	3	1	4	9	3	4	1.7	1.1	1.4	-1.7
1987 ---	-6	3	-3	-3	7	5	8	1.0	1.8	-1	1.2	6
1988 ---	-	6	4	6	2.5	7	1.2	1.7	8	8	1.4	2.7
1989 ---	2.7	1.6	1.9	1.7	6	2.3	-5.8	7	1.0	6	6	-4
1990 ---	5.7	1	-1	-2	-4	-1.4	-1	5.1	1	1.1	-2	-1.1
1991 ---	-8	-5	-5	7	-	1.4	1.2	4	1.2	1.6	7	-1.4
<b>PHOTOGRAPHIC GOODS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 128	3 191	3 139	3 105	3 164	3 134	3 084	3 079	2 994	2 912	2 778	2 601
1983 ---	2 597	2 601	2 536	2 638	2 704	2 695	2 689	2 791	2 779	2 823	2 773	2 759
1984 ---	2 662	2 754	2 825	2 925	3 041	3 041	3 016	3 042	2 883	2 824	2 778	2 719
1985 ---	2 809	2 838	2 863	2 928	2 928	2 893	2 814	2 785	2 738	2 795	2 774	2 699
1986 ---	2 799	2 805	2 802	2 829	2 859	2 815	2 801	2 797	2 700	2 694	2 590	2 478
1987 ---	2 606	2 651	2 565	2 642	2 672	2 631	2 627	2 655	2 547	2 532	2 464	2 416
1988 ---	2 535	2 613	2 577	2 746	2 789	2 813	2 881	2 964	2 917	2 988	3 011	2 874
1989 ---	2 952	3 010	3 018	3 127	3 162	3 063	3 110	3 077	3 129	3 125	3 116	2 739
1990 ---	2 902	2 910	2 871	2 977	3 025	2 856	2 867	2 867	2 900	2 845	2 851	2 699
1991 ---	2 741	2 804	2 833	2 865	2 867	2 882	2 890	2 885	2 870	2 856	2 838	2 639
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 181	3 185	3 099	3 012	3 035	3 047	3 044	3 025	3 013	2 974	2 863	2 770
1983 ---	2 642	2 610	2 521	2 574	2 602	2 623	2 655	2 737	2 790	2 858	2 847	2 924
1984 ---	2 710	2 776	2 827	2 865	2 933	2 961	2 973	2 976	2 894	2 842	2 844	2 876
1985 ---	2 858	2 865	2 882	2 874	2 831	2 823	2 769	2 718	2 751	2 802	2 832	2 852
1986 ---	2 847	2 832	2 833	2 776	2 770	2 757	2 755	2 728	2 710	2 694	2 632	2 618
1987 ---	2 651	2 674	2 599	2 592	2 594	2 592	2 585	2 589	2 551	2 524	2 490	2 552
1988 ---	2 585	2 635	2 616	2 695	2 712	2 786	2 840	2 892	2 910	2 967	3 022	3 036
1989 ---	3 018	3 038	3 070	3 071	3 077	3 046	3 070	3 003	3 111	3 095	3 108	2 893
1990 ---	2 977	2 942	2 922	2 926	2 946	2 845	2 832	2 835	2 821	2 818	2 855	2 851
1991 ---	2 816	2 840	2 883	2 817	2 792	2 874	2 856	2 823	2 842	2 819	2 815	2 789
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1	-2.7	-2.8	.8	4	-1	-6	-4	-1.3	-3.7	-3.2
1983 ---	-4.6	-1.2	-3.4	2.1	1.1	.8	1.2	3.1	1.9	2.4	-4	2.7
1984 ---	-7.3	2.4	1.8	1.3	2.4	1.0	4	1	-2.8	-1.8	1	1.1
1985 ---	-6	2	6	-3	-1.5	-3	-1.9	-1.8	1.2	1.9	1.1	7
1986 ---	-2	-5	-	-2.0	-2	-5	-1	-1.0	-7	-6	-2.3	-5
1987 ---	1.3	9	-2.8	-3	1	-1	-3	2	-1.5	-1.1	-1.3	2.5
1988 ---	1.3	1.9	-7	3.0	6	2.7	1.9	1.8	6	2.0	1.9	5
1989 ---	-6	7	1.1	-	2	-1.0	8	-2.2	3.6	-5	4	-6.9
1990 ---	2.9	-1.2	-7	1	7	-3.4	-5	1	-5	-1	1.3	-1
1991 ---	-1.2	9	1.5	-2.3	-9	2.9	-6	-1.2	7	-8	-1	-9

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL OTHER DURABLE GOODS INDUSTRIES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 069	16 175	16 134	15 986	15 948	15 956	15 890	15 753	15 696	15 350	15 089	14 961
1983 ---	15 236	15 511	15 451	15 368	15 472	15 453	15 589	15 774	15 812	15 927	15 845	15 808
1984 ---	16 237	16 411	16 614	16 742	16 682	16 586	16 654	16 761	16 826	16 770	16 675	16 871
1985 ---	17 441	17 559	17 418	17 190	17 100	17 041	17 118	17 031	16 888	16 783	16 848	16 817
1986 ---	16 985	17 393	17 203	17 157	17 035	16 789	16 925	16 934	16 735	16 741	16 780	17 330
1987 ---	17 737	18 004	18 057	18 197	18 357	18 127	18 086	18 102	17 956	17 718	17 893	18 334
1988 ---	19 005	19 530	19 479	19 263	19 354	19 438	19 798	19 577	19 330	19 287	19 335	19 552
1989 ---	19 890	19 947	19 823	19 744	19 884	19 944	20 166	20 208	20 101	20 110	20 022	19 796
1990 ---	20 195	20 280	20 398	20 596	20 624	20 456	20 555	20 751	20 788	20 583	20 569	20 491
1991 ---	20 666	20 696	20 230	19 787	19 455	19 362	19 376	19 347	19 469	19 370	19 384	19 612
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 012	15 889	15 867	15 803	15 796	15 884	15 879	15 707	15 761	15 591	15 487	15 273
1983 ---	15 168	15 227	15 196	15 210	15 345	15 416	15 585	15 756	15 891	16 167	16 240	16 097
1984 ---	16 139	16 092	16 339	16 577	16 553	16 567	16 658	16 789	16 941	17 022	17 079	17 141
1985 ---	17 310	17 216	17 145	17 013	16 960	17 035	17 129	17 060	17 033	17 051	17 250	17 031
1986 ---	16 828	17 043	16 935	16 988	16 908	16 792	16 933	16 979	16 911	17 014	17 157	17 510
1987 ---	17 554	17 650	17 797	18 028	18 241	18 144	18 081	18 139	18 149	17 987	18 249	18 489
1988 ---	18 797	19 175	19 243	19 130	19 264	19 478	19 791	19 605	19 517	19 527	19 652	19 700
1989 ---	19 680	19 627	19 621	19 643	19 828	20 022	20 164	20 219	20 260	20 304	20 270	19 916
1990 ---	19 981	19 993	20 227	20 547	20 610	20 568	20 536	20 746	20 915	20 730	20 758	20 602
1991 ---	20 454	20 432	20 083	19 765	19 463	19 492	19 365	19 331	19 568	19 485	19 536	19 717
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.8	-.1	-.4	-.6	-.6	-.1	-.1	-.3	-.1	-.7	-1.4
1983 ---	-.7	-.4	-.2	-.1	-.9	-.5	1.1	1.1	1.1	1.7	1.5	-.9
1984 ---	.3	-.3	1.5	1.5	-.1	.1	.5	.7	1.0	.5	.3	.4
1985 ---	1.0	-.5	-.4	-.8	-.3	.4	.6	-.4	-.2	-.1	1.2	-1.3
1986 ---	-1.2	1.3	-.6	.3	-.5	-.7	.8	.3	-.4	.6	.8	2.1
1987 ---	.3	.5	.8	1.3	1.2	-.5	-.3	.3	-.1	-.9	1.5	1.3
1988 ---	1.7	2.0	.4	-.6	.7	1.1	1.6	-.9	-.4	.1	.6	.2
1989 ---	-.1	-.3	-.1	.1	.9	1.0	.7	.3	.2	.2	-.2	-1.7
1990 ---	.3	.1	1.2	1.6	.3	-.2	-.2	1.0	.8	-.9	.1	-.8
1991 ---	-.7	-.1	-1.7	-1.6	-1.5	.1	-.7	-.2	1.2	-.4	.3	.9
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	115 607	115 783	115 271	115 189	113 122	111 463	111 916	111 789	110 827	111 722	112 311	110 549
1983 ---	111 437	111 133	109 237	109 374	108 945	108 588	109 479	110 149	110 838	112 609	112 909	111 673
1984 ---	113 376	114 910	115 377	116 781	118 220	118 294	118 729	119 591	119 449	119 967	119 307	117 187
1985 ---	116 949	117 709	116 872	117 414	117 144	115 964	115 356	115 259	114 247	115 302	115 465	115 577
1986 ---	115 276	115 061	113 305	113 710	112 548	111 449	111 582	111 112	109 217	109 985	110 115	109 702
1987 ---	111 763	112 517	112 186	112 839	113 454	112 874	113 482	114 883	114 585	115 587	116 249	116 276
1988 ---	117 947	119 045	119 437	120 797	121 681	121 880	122 648	123 924	123 435	124 514	124 912	124 957
1989 ---	126 906	127 565	127 737	129 594	129 964	129 869	131 031	131 593	130 768	131 285	131 277	129 747
1990 ---	132 700	133 638	133 208	133 519	133 963	132 943	134 996	136 180	137 986	139 482	139 032	137 985
1991 ---	140 252	140 406	138 924	139 678	138 613	136 997	137 030	137 486	137 763	139 105	139 140	138 011
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	114 612	114 440	114 678	114 073	112 356	111 948	112 764	112 648	112 020	112 057	112 050	111 411
1983 ---	110 581	109 978	108 797	108 463	108 369	109 113	110 223	110 847	112 088	112 780	112 616	112 531
1984 ---	112 621	113 900	115 061	115 981	117 679	118 764	119 221	119 921	120 421	120 078	119 144	118 188
1985 ---	116 355	116 882	116 661	116 729	116 656	116 382	115 715	115 354	115 049	115 322	115 357	116 590
1986 ---	114 787	114 370	113 200	113 104	112 097	111 859	111 799	110 946	109 797	110 003	110 209	110 672
1987 ---	111 389	111 920	112 169	112 280	113 059	113 407	113 628	114 641	115 127	115 594	116 319	117 309
1988 ---	117 526	118 363	119 457	120 203	121 222	122 463	122 740	123 685	123 993	124 577	125 053	126 040
1989 ---	126 430	126 741	127 664	128 976	129 577	130 640	131 158	131 347	131 229	131 264	131 405	130 873
1990 ---	132 215	132 761	133 231	132 809	133 657	133 860	135 136	135 985	138 425	139 246	138 940	139 105
1991 ---	139 693	139 368	138 922	139 045	138 434	138 119	137 315	137 380	138 233	138 817	139 077	139 077
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.2	-.5	-.5	-.1	-.4	.7	-.1	-.6	-.1	-.1	-.6
1983 ---	-.7	-.5	-.1	-.3	-.1	-.7	1.0	.6	1.1	.6	-.1	-.1
1984 ---	.1	1.1	1.0	.8	1.5	.9	.4	.6	.4	-.3	-.8	-.8
1985 ---	-1.6	.5	-.2	.1	-.1	-.2	-.6	-.3	-.3	.2	-.1	1.1
1986 ---	-1.5	-.4	-1.0	-.1	-.9	-.2	-.1	-.8	-1.0	.2	.2	.4
1987 ---	.6	.5	.2	.1	.7	.3	.2	.9	.4	.4	.6	.9
1988 ---	.2	.7	.9	.6	.8	1.0	.2	.8	.2	.5	.4	.8
1989 ---	.3	.2	.7	1.0	.5	.8	.4	.1	.1	.1	-.1	-.4
1990 ---	1.0	.4	-.2	-.2	.6	.2	1.0	.6	1.8	.6	-.2	.1
1991 ---	.4	-.2	-.3	.1	-.4	-.2	-.6	-.1	.6	.4	.2	-.1

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDURABLE GOODS WITH UNFILLED ORDERS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 253	23 737	23 783	24 031	24 152	24 042	23 878	23 547	22 988	22 810	22 615	22 471
1983 ---	22 718	22 872	22 875	23 133	23 472	23 682	23 798	23 779	23 433	23 708	23 870	23 863
1984 ---	24 343	24 824	25 322	25 839	26 327	26 766	27 040	27 117	26 837	26 710	26 586	26 339
1985 ---	26 373	27 134	27 208	27 318	27 165	27 082	26 773	26 819	26 399	26 213	26 010	25 941
1986 ---	25 926	26 493	26 667	27 008	26 963	27 058	27 402	27 183	26 655	26 467	26 497	26 282
1987 ---	26 984	27 648	28 159	28 392	28 701	28 631	28 735	28 955	28 665	28 397	28 555	28 538
1988 ---	29 091	29 669	30 069	30 834	31 221	31 330	31 789	32 102	31 780	31 489	31 627	31 443
1989 ---	32 149	32 511	32 592	32 993	33 577	33 847	34 130	34 046	33 643	33 286	33 200	32 754
1990 ---	33 422	33 856	34 106	34 424	34 636	34 695	35 299	35 036	34 348	34 034	33 876	33 336
1991 ---	34 289	34 877	34 872	34 958	34 657	34 415	34 436	34 037	33 409	33 366	33 180	32 821
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 576	23 738	23 573	23 556	23 563	23 446	23 399	23 323	23 341	23 345	23 217	23 112
1983 ---	23 008	22 871	22 698	22 731	22 979	23 167	23 352	23 550	23 718	24 181	24 424	24 538
1984 ---	24 658	24 832	25 162	25 434	25 839	26 249	26 549	26 822	27 062	27 172	27 148	27 090
1985 ---	26 726	27 171	27 054	26 921	26 711	26 600	26 298	26 487	26 536	26 632	26 524	26 696
1986 ---	26 283	26 545	26 543	26 642	26 525	26 609	26 922	26 805	26 728	26 872	26 996	27 074
1987 ---	27 376	27 718	28 055	28 031	28 251	28 197	28 226	28 542	28 706	28 843	29 082	29 412
1988 ---	29 479	29 734	29 967	30 466	30 734	30 871	31 203	31 619	31 808	31 975	32 195	32 420
1989 ---	32 558	32 578	32 494	32 625	33 068	33 356	33 491	33 552	33 707	33 804	33 795	33 763
1990 ---	33 791	33 895	34 004	34 058	34 127	34 209	34 627	34 517	34 440	34 542	34 484	34 374
1991 ---	34 662	34 905	34 761	34 588	34 168	33 938	33 780	33 544	33 523	33 864	33 796	33 829
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.7	-.7	-.1	-	-.5	-.2	-.3	.1	-	-.5	-.5
1983 ---	-.4	-.6	-.8	-.1	1.1	.8	.8	.8	.7	2.0	1.0	.5
1984 ---	.5	.7	1.3	1.1	1.6	1.6	1.1	1.0	.9	.4	-.1	-.2
1985 ---	-1.3	1.7	-.4	-.5	-.8	-.4	-1.1	.7	.2	.4	-.4	.6
1986 ---	-1.5	1.0	-	-.4	-.4	-.3	1.2	-.4	-.3	.5	.5	.3
1987 ---	1.1	1.2	1.2	-.1	.8	-.2	.1	1.1	.6	.5	.8	1.1
1988 ---	.2	.9	.8	1.7	.9	.4	1.1	1.3	.6	.5	.7	.7
1989 ---	.4	.1	-.3	.4	1.4	.9	.4	.2	.5	-.3	-	-.1
1990 ---	.1	-.3	-.3	.2	.2	.2	1.2	-.3	-.2	-.3	-.2	-.3
1991 ---	.8	.7	-.4	-.5	-1.2	-.7	-.5	-.7	-.1	1.0	-.2	-.1
<b>FOOD AND KINDRED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 855	23 429	22 847	22 663	22 030	21 469	22 083	22 725	23 240	24 270	24 429	23 565
1983 ---	23 766	23 225	22 668	22 372	21 964	21 447	21 795	22 987	23 667	24 701	24 886	24 151
1984 ---	24 452	24 297	23 976	23 673	23 864	23 318	23 654	24 449	24 606	25 222	25 492	24 663
1985 ---	24 599	24 375	23 672	23 625	23 296	22 793	23 156	24 110	24 119	25 115	24 891	24 427
1986 ---	24 416	24 057	23 406	23 457	22 972	22 743	23 560	24 424	24 116	24 989	24 988	24 285
1987 ---	24 552	24 208	23 568	23 599	23 611	23 541	23 621	24 527	25 054	25 905	25 943	25 306
1988 ---	25 367	25 239	24 667	24 728	24 550	24 765	25 045	26 229	26 381	27 417	27 666	27 353
1989 ---	27 347	26 919	26 236	26 586	25 819	25 583	26 310	27 316	27 630	28 275	28 322	27 710
1990 ---	27 775	27 596	27 130	27 110	26 970	26 737	27 593	28 809	29 464	30 496	30 417	29 373
1991 ---	29 755	29 472	28 705	28 789	28 107	27 806	28 163	29 280	30 258	31 446	31 453	30 586
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 175	23 191	23 086	23 175	22 836	22 662	23 074	22 943	22 999	23 154	23 190	23 016
1983 ---	23 135	22 990	22 945	22 871	22 722	22 610	22 689	23 153	23 598	23 612	23 592	23 609
1984 ---	23 788	24 037	24 329	24 228	24 714	24 601	24 590	24 450	24 322	24 087	24 266	24 181
1985 ---	24 014	24 175	24 091	24 222	24 125	24 002	23 993	24 010	23 834	24 025	23 766	23 993
1986 ---	23 891	23 861	23 881	24 053	23 791	23 933	24 339	24 206	23 766	23 898	23 917	23 873
1987 ---	24 089	24 035	24 069	24 175	24 473	24 782	24 355	24 279	24 726	24 771	24 808	24 848
1988 ---	24 878	25 041	25 188	25 296	25 477	26 111	25 861	26 070	26 029	26 207	26 417	26 839
1989 ---	26 813	26 683	26 740	27 165	26 806	26 981	27 104	27 080	27 128	27 005	27 088	27 234
1990 ---	27 320	27 395	27 695	27 715	28 037	28 218	28 387	28 622	28 953	29 129	29 058	28 857
1991 ---	29 266	29 229	29 294	29 427	29 268	29 408	29 008	29 096	29 716	30 012	30 032	30 038
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.1	-.5	.4	-1.5	-.8	1.8	-.6	.2	.7	.2	-.8
1983 ---	.5	-.6	-.2	-.3	-.7	-.5	.3	2.0	1.9	.1	-.1	.1
1984 ---	.8	1.0	1.2	-.4	2.0	-.5	-	-.6	-.5	-1.0	.7	-.4
1985 ---	-.7	.7	-.3	.5	-.4	-.5	-	-.7	-.4	.8	-1.1	1.0
1986 ---	-.4	-.1	.1	.7	-1.1	.6	1.7	-.5	-1.8	.6	.1	-.2
1987 ---	.9	-.2	.1	.4	1.2	1.3	-1.7	-.3	1.8	.2	.1	.2
1988 ---	.1	.7	.6	.4	.7	2.5	-1.0	.8	-.2	.7	.8	1.6
1989 ---	-.1	-.5	.2	1.6	-1.3	.7	.5	-.1	.2	-.5	.3	.5
1990 ---	.3	-.3	1.1	.1	1.2	.6	.6	.8	1.2	.6	-.2	-.7
1991 ---	1.4	-.1	.2	.5	-.5	.5	-1.4	.3	2.1	1.0	-.1	-

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MEAT PRODUCTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 055	2 159	2 255	2 287	2 238	2 084	2 033	1 985	1 989	2 093	2 153	1 965
1983 ---	2 108	2 133	2 078	2 139	2 091	1 990	1 932	1 877	1 876	2 020	2 125	2 041
1984 ---	2 151	2 187	2 209	2 224	2 264	2 192	2 182	2 077	2 016	2 102	2 203	2 073
1985 ---	2 094	2 179	2 088	2 122	2 100	2 049	2 061	2 016	1 945	2 144	2 101	2 042
1986 ---	2 123	2 104	2 034	2 071	2 055	2 041	2 121	2 131	2 100	2 168	2 234	2 093
1987 ---	2 199	2 229	2 253	2 299	2 251	2 200	2 199	2 167	2 175	2 235	2 348	2 210
1988 ---	2 380	2 452	2 436	2 458	2 383	2 330	2 418	2 397	2 414	2 492	2 597	2 516
1989 ---	2 579	2 685	2 719	2 769	2 749	2 713	2 610	2 610	2 656	2 666	2 743	2 623
1990 ---	2 755	2 812	2 828	2 924	2 879	2 897	2 862	2 814	2 827	2 863	2 969	2 753
1991 ---	2 830	2 941	2 874	2 960	2 875	2 823	2 812	2 780	2 800	2 893	2 860	2 665
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 029	2 098	2 220	2 199	2 188	2 096	2 093	2 093	2 102	2 095	2 086	1 996
1983 ---	2 084	2 068	2 047	2 060	2 037	2 005	1 976	1 973	2 027	2 027	2 059	2 078
1984 ---	2 125	2 120	2 179	2 149	2 210	2 211	2 217	2 173	2 130	2 113	2 135	2 115
1985 ---	2 064	2 112	2 060	2 061	2 062	2 074	2 081	2 095	2 042	2 158	2 037	2 090
1986 ---	2 094	2 041	2 006	2 016	2 030	2 069	2 134	2 202	2 186	2 183	2 172	2 150
1987 ---	2 173	2 166	2 218	2 236	2 232	2 235	2 209	2 230	2 246	2 252	2 290	2 280
1988 ---	2 363	2 388	2 395	2 382	2 362	2 368	2 429	2 463	2 476	2 513	2 538	2 606
1989 ---	2 571	2 620	2 670	2 722	2 722	2 751	2 625	2 679	2 713	2 690	2 683	2 722
1990 ---	2 764	2 747	2 777	2 818	2 845	2 932	2 880	2 886	2 882	2 891	2 906	2 858
1991 ---	2 849	2 875	2 824	2 851	2 838	2 854	2 828	2 851	2 850	2 921	2 800	2 767
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	3.4	5.8	-9	-6	-4.1	-1	-	.4	-3	-4	-4.3
1983 ---	4.4	-8	-1.0	.6	-1.1	-1.6	-1.4	-2	.7	2.1	1.6	.9
1984 ---	2.3	-2	2.8	-1.4	2.8	-	.3	-2.0	-2.0	-8	1.0	-9
1985 ---	-2.4	2.3	-2.5	-	-	.6	.3	.7	-2.5	5.7	-5.6	2.6
1986 ---	.2	-2.5	-1.7	.5	.7	1.9	3.1	3.2	-6	-2	-5	-1.0
1987 ---	1.1	-3	2.4	.8	-2	.1	-1.2	1.0	.7	.3	1.7	-4
1988 ---	3.6	1.1	.3	-5	-8	.2	2.7	1.4	.5	1.5	1.0	2.7
1989 ---	-1.3	1.9	1.9	2	1.8	1.1	-4.6	2.1	1.3	-8	-3	1.5
1990 ---	1.5	-6	1.1	1.5	1.0	3.1	-1.8	.2	-1	.3	.5	-1.7
1991 ---	-3	.9	-1.8	1.0	-5	.6	-9	.8	-	2.5	-4.1	-1.2
<b>DAIRY PRODUCTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 737	1 735	1 747	1 773	1 793	1 743	1 769	1 780	1 739	1 749	1 716	1 721
1983 ---	1 792	1 794	1 779	1 834	1 880	1 878	1 912	1 853	1 780	1 844	1 869	1 795
1984 ---	1 836	1 838	1 890	1 944	1 954	1 932	1 974	1 944	1 893	1 911	1 843	1 827
1985 ---	1 839	1 864	1 896	1 908	1 908	1 930	1 880	1 855	1 831	1 825	1 799	1 837
1986 ---	1 823	1 814	1 820	1 911	1 914	1 899	1 893	1 926	1 898	1 977	1 968	1 952
1987 ---	1 991	1 977	2 055	2 089	2 152	2 125	2 144	2 179	2 114	2 139	2 074	2 032
1988 ---	2 043	2 065	2 037	2 087	2 129	2 061	2 118	2 091	2 073	2 103	2 106	2 145
1989 ---	2 228	2 271	2 256	2 305	2 333	2 308	2 373	2 312	2 255	2 276	2 264	2 301
1990 ---	2 376	2 339	2 451	2 527	2 595	2 661	2 773	2 762	2 730	2 628	2 552	2 465
1991 ---	2 457	2 514	2 523	2 570	2 497	2 465	2 480	2 527	2 472	2 498	2 505	2 458
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 753	1 762	1 761	1 740	1 740	1 709	1 727	1 756	1 754	1 758	1 766	1 781
1983 ---	1 811	1 818	1 827	1 799	1 827	1 845	1 870	1 830	1 796	1 851	1 919	1 855
1984 ---	1 858	1 861	1 895	1 908	1 901	1 901	1 935	1 921	1 911	1 914	1 888	1 885
1985 ---	1 864	1 888	1 900	1 872	1 857	1 904	1 844	1 833	1 850	1 825	1 838	1 894
1986 ---	1 849	1 835	1 825	1 878	1 863	1 877	1 856	1 903	1 918	1 978	2 009	2 009
1987 ---	2 018	1 996	2 064	2 057	2 097	2 104	2 097	2 149	2 137	2 143	2 117	2 091
1988 ---	2 068	2 080	2 049	2 062	2 078	2 041	2 065	2 056	2 094	2 111	2 151	2 211
1989 ---	2 256	2 283	2 271	2 281	2 283	2 286	2 305	2 266	2 276	2 290	2 314	2 376
1990 ---	2 409	2 347	2 465	2 505	2 545	2 634	2 686	2 701	2 751	2 650	2 610	2 549
1991 ---	2 494	2 521	2 538	2 547	2 453	2 438	2 398	2 468	2 490	2 521	2 562	2 544
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.5	-1	-1.2	-	-1.8	1.1	1.7	-1	2	.5	.8
1983 ---	1.7	.4	-1.7	.7	1.6	1.0	1.4	-2.1	-1.9	3.1	3.7	-3.3
1984 ---	.2	.2	1.8	.7	-4	-	1.8	-7	-	.2	-1.4	-2
1985 ---	-1.1	1.3	.6	-1.5	-8	2.5	-3.2	-6	.9	-1.4	.7	3.0
1986 ---	-2.4	-8	-5	2.9	-8	.8	-1.1	2.5	.8	3.1	1.6	-1
1987 ---	.4	-1.1	3.4	-3	1.9	.3	-3	2.5	-6	.3	-1.2	-1.2
1988 ---	-1.1	.6	-1.5	.6	.8	-1.8	1.2	-4	1.8	.8	1.9	2.8
1989 ---	2.0	1.2	-5	.4	.1	.1	.8	-1.7	.4	.6	1.0	2.7
1990 ---	1.4	-2.6	5.0	1.6	1.6	3.5	2.0	.6	1.9	-3.7	-1.5	-2.3
1991 ---	-2.2	1.1	.7	.4	-3.7	-6	-1.6	2.9	.9	1.2	1.6	-7

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>BEVERAGES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 622	4 666	4 655	4 561	4 459	4 389	4 267	4 199	4 287	4 367	4 357	4 429
1983 ---	4 526	4 637	4 621	4 604	4 642	4 552	4 358	4 243	4 130	4 201	4 156	4 292
1984 ---	4 387	4 443	4 432	4 541	4 517	4 423	4 321	4 294	4 333	4 280	4 279	4 367
1985 ---	4 417	4 523	4 677	4 633	4 606	4 577	4 579	4 549	4 498	4 606	4 514	4 654
1986 ---	4 733	4 814	4 737	4 800	4 728	4 706	4 698	4 604	4 570	4 509	4 523	4 590
1987 ---	4 629	4 676	4 676	4 704	4 607	4 552	4 408	4 378	4 482	4 519	4 516	4 553
1988 ---	4 589	4 561	4 532	4 610	4 635	4 548	4 554	4 561	4 716	4 709	4 788	4 881
1989 ---	4 747	4 814	4 892	4 959	4 963	4 849	4 821	4 801	4 925	4 990	4 973	4 943
1990 ---	5 001	5 171	5 157	5 148	5 087	5 006	5 048	5 074	5 142	5 192	5 154	5 078
1991 ---	5 227	5 273	5 287	5 314	5 226	5 277	5 191	5 149	5 335	5 438	5 489	5 531
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 536	4 530	4 480	4 415	4 368	4 402	4 414	4 397	4 402	4 440	4 454	4 427
1983 ---	4 451	4 500	4 465	4 452	4 542	4 547	4 480	4 410	4 240	4 287	4 262	4 301
1984 ---	4 323	4 318	4 307	4 396	4 421	4 406	4 418	4 430	4 441	4 369	4 390	4 379
1985 ---	4 360	4 406	4 575	4 495	4 518	4 558	4 668	4 669	4 590	4 692	4 613	4 665
1986 ---	4 682	4 706	4 655	4 669	4 649	4 699	4 786	4 716	4 643	4 571	4 597	4 599
1987 ---	4 586	4 580	4 607	4 590	4 545	4 566	4 492	4 483	4 531	4 558	4 559	4 564
1988 ---	4 555	4 473	4 468	4 512	4 586	4 579	4 643	4 679	4 750	4 724	4 807	4 895
1989 ---	4 719	4 725	4 825	4 865	4 821	4 899	4 913	4 932	4 945	4 988	4 972	4 961
1990 ---	4 982	5 078	5 085	5 056	5 051	5 069	5 140	5 217	5 157	5 174	5 143	5 100
1991 ---	5 217	5 175	5 214	5 222	5 193	5 348	5 281	5 293	5 349	5 413	5 475	5 560
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.1	-1.1	-1.5	-1.1	.8	.3	-.4	.1	9	3	-6
1983 ---	.5	1.1	-.8	-.3	2.0	1	-1.5	-1.6	-3.9	1.1	-6	9
1984 ---	.5	-.1	-.3	2.1	.6	-.3	.3	2	-1.6	5	-3	-.3
1985 ---	-.4	1.1	3.8	-1.7	.5	.9	2.4	-	-1.7	2.2	-1.7	1.1
1986 ---	.4	.5	-1.1	3	-.4	1.1	1.9	-1.5	-1.5	1.6	6	-
1987 ---	-.3	-.1	.6	-.4	-1.0	.5	-1.6	-2	1.1	6	-	.1
1988 ---	-.2	-1.8	-.1	1.0	1.6	-.2	1.4	8	1.5	-.5	1.8	1.8
1989 ---	-3.6	.1	2.1	.8	1.2	-.4	.3	4	3	9	-.3	-.2
1990 ---	.4	1.9	.1	-.6	-.1	.4	1.4	1.5	-1.2	3	-.6	-.8
1991 ---	2.3	-.8	.8	2	-.6	3.0	-1.3	2	1.1	1.2	1.1	1.6
<b>ALL OTHER FOODS EXCEPT FATS AND OILS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	13 673	13 290	12 706	12 543	12 106	11 875	12 758	13 667	14 154	14 724	14 545	13 856
1983 ---	13 797	13 069	12 744	12 312	12 072	11 855	12 394	13 579	14 084	14 439	14 506	13 964
1984 ---	14 025	13 765	13 511	13 179	13 300	13 106	13 744	14 821	15 214	15 613	15 540	14 780
1985 ---	14 699	14 439	13 656	13 538	13 396	12 980	13 414	14 468	14 731	15 210	15 104	14 542
1986 ---	14 277	13 995	13 581	13 563	13 255	13 086	13 878	14 845	14 673	15 255	15 114	14 562
1987 ---	14 635	14 179	13 537	13 385	13 410	13 474	13 856	14 841	15 059	15 629	15 374	14 985
1988 ---	14 846	14 604	14 071	13 894	13 682	13 830	14 365	15 581	15 715	16 239	16 049	15 740
1989 ---	15 489	15 128	14 438	14 667	14 255	14 358	15 257	16 497	16 730	17 133	17 005	16 450
1990 ---	16 401	16 045	15 442	15 213	15 133	14 933	15 664	16 847	17 445	18 074	17 996	17 552
1991 ---	17 577	17 068	16 408	16 327	15 971	15 721	16 204	17 459	18 175	18 894	18 840	18 229
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	13 303	13 364	13 184	13 305	13 022	12 957	13 398	13 383	13 399	13 571	13 510	13 400
1983 ---	13 434	13 141	13 234	13 069	12 970	12 951	13 002	13 243	13 348	13 312	13 473	13 532
1984 ---	13 669	13 834	14 056	13 996	14 261	14 310	14 401	14 398	14 432	14 411	14 456	14 339
1985 ---	14 347	14 503	14 228	14 379	14 352	14 144	14 021	14 007	13 999	14 056	14 083	14 110
1986 ---	13 952	14 044	14 187	14 398	14 198	14 229	14 467	14 338	13 963	14 114	14 130	14 115
1987 ---	14 315	14 222	14 159	14 200	14 380	14 629	14 412	14 319	14 344	14 469	14 404	14 511
1988 ---	14 508	14 646	14 731	14 725	14 691	15 022	14 923	15 035	14 975	15 037	15 045	15 227
1989 ---	15 127	15 165	15 109	15 538	15 331	15 608	15 849	15 934	15 941	15 865	15 936	15 902
1990 ---	16 005	16 071	16 163	16 101	16 292	16 257	16 277	16 288	16 623	16 735	16 847	16 960
1991 ---	17 150	17 084	17 173	17 272	17 205	17 130	16 846	16 887	17 314	17 498	17 625	17 617
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.5	-1.3	.9	-2.1	-.5	3.4	-.1	.1	1.3	-.4	-.8
1983 ---	.3	-2.2	.7	-1.2	-.8	-.1	.4	1.9	.8	-.3	1.2	-.4
1984 ---	1.0	1.2	1.6	-.4	1.9	.3	.6	-	2	-.1	-.3	-.8
1985 ---	.1	1.1	-1.9	1.1	-.2	-.1	-.9	-.1	-.1	4	-.2	-.1
1986 ---	-1.1	.7	1.0	1.5	-1.4	.2	1.7	-.9	-2.6	1.1	-.1	-.7
1987 ---	1.4	-.6	-.4	.3	1.3	1.7	-1.5	-.6	2	.9	-.4	1.1
1988 ---	-.	1.0	.6	-.2	2.3	-.7	8	-.4	4	4	1	1.2
1989 ---	-.7	.3	-.4	2.8	-1.3	1.8	1.5	.5	-.5	7	4	-.2
1990 ---	.6	.4	.6	-.4	1.2	-.2	1	1	2.1	7	7	.7
1991 ---	1.1	-.4	.5	.6	-.4	-.4	-1.7	2	2.5	1.1	.7	-.7

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TOBACCO PRODUCTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 148	7 132	7 068	7 210	6 959	6 686	6 571	6 599	6 768	6 827	6 908	7 186
1983 ---	6 982	6 944	6 874	6 901	6 614	6 543	6 686	6 504	6 877	7 015	6 987	7 087
1984 ---	7 124	6 949	6 745	6 558	6 274	5 959	5 726	5 927	6 424	6 619	6 591	6 893
1985 ---	7 035	6 949	6 624	6 455	6 116	5 695	5 487	5 528	5 847	6 133	6 005	6 255
1986 ---	6 304	6 255	6 022	5 876	5 586	5 139	4 961	4 963	5 212	5 418	5 440	5 711
1987 ---	5 825	5 743	5 616	5 566	5 456	5 281	5 169	5 194	5 326	5 419	5 362	5 562
1988 ---	5 729	5 636	5 501	5 451	5 186	4 996	4 945	5 089	5 202	5 474	5 337	5 475
1989 ---	5 383	5 422	5 250	5 261	5 115	5 010	5 065	5 194	5 334	5 578	5 554	5 706
1990 ---	6 125	6 157	5 879	5 824	5 528	5 422	5 362	5 599	5 748	5 906	5 723	6 119
1991 ---	6 630	6 632	6 293	6 492	6 121	5 944	6 119	6 242	6 269	6 500	6 222	6 582
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 663	6 679	6 699	6 989	7 064	7 103	7 279	7 153	6 959	6 862	6 833	6 873
1983 ---	6 514	6 503	6 536	6 687	6 713	6 978	7 391	7 056	7 063	7 015	6 915	6 746
1984 ---	6 648	6 516	6 450	6 373	6 376	6 370	6 316	6 421	6 586	6 577	6 527	6 532
1985 ---	6 562	6 526	6 373	6 301	6 225	6 095	6 033	5 973	5 985	6 058	5 948	5 937
1986 ---	5 871	5 887	5 828	5 761	5 693	5 500	5 423	5 331	5 334	5 338	5 397	5 437
1987 ---	5 418	5 411	5 456	5 471	5 573	5 646	5 613	5 535	5 455	5 343	5 332	5 317
1988 ---	5 323	5 312	5 366	5 361	5 316	5 331	5 333	5 353	5 332	5 307	5 322	5 266
1989 ---	4 996	5 101	5 137	5 172	5 262	5 338	5 441	5 442	5 466	5 517	5 551	5 520
1990 ---	5 674	5 779	5 769	5 721	5 703	5 775	5 746	5 836	5 891	5 844	5 731	5 946
1991 ---	6 136	6 205	6 183	6 375	6 323	6 332	6 554	6 493	6 424	6 433	6 236	6 408
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2	3	4.3	1.1	.6	2.5	-1.7	-2.7	-1.4	-.4	.6
1983 ---	-5.2	-2	.5	2.3	.4	3.9	5.9	-4.5	1	-.7	-1.4	-2.4
1984 ---	-1.5	-2.0	-1.0	-1.2	-.1	-.1	-.8	1.7	2.6	-.1	-.8	-.1
1985 ---	.5	-.5	-2.3	-1.1	-1.2	-2.1	-1.0	-1.0	.2	1.2	-1.8	-.2
1986 ---	-1.1	-.3	-1.0	-1.1	-1.2	-3.4	-1.4	-1.7	1	.1	1.1	-.7
1987 ---	-.3	-.1	.8	.3	1.9	1.3	-.6	-1.4	-1.4	-2.1	-.2	-.3
1988 ---	.1	-.2	1.0	-.1	-.8	.3	-.4	.4	-.4	1.4	-1.6	-1.1
1989 ---	-5.1	2.1	.7	.7	1.7	1.4	1.9	-.4	.9	.9	.6	-.6
1990 ---	2.8	1.9	-.2	-.8	-.3	1.3	-.5	1.6	9	-.8	-1.9	3.8
1991 ---	3.2	1.1	-.4	3.1	-.8	.1	3.5	-.9	-1.1	.1	-3.1	2.8
<b>TEXTILE MILL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 081	7 172	7 071	7 071	7 085	6 826	6 812	6 717	6 558	6 436	6 527	6 551
1983 ---	6 720	6 780	6 843	6 925	7 103	7 091	7 130	7 165	7 178	7 240	7 329	7 312
1984 ---	7 560	7 705	7 856	7 913	8 105	8 079	8 087	8 067	7 883	7 828	7 689	7 599
1985 ---	7 678	7 842	7 783	7 746	7 686	7 559	7 434	7 302	7 277	7 278	7 234	7 197
1986 ---	7 113	7 338	7 430	7 500	7 511	7 516	7 400	7 146	7 043	6 874	6 903	6 939
1987 ---	7 173	7 465	7 656	7 731	7 733	7 677	7 695	7 831	7 671	7 675	7 704	7 699
1988 ---	7 944	8 066	8 153	8 347	8 430	8 417	8 517	8 423	8 089	8 111	8 176	8 079
1989 ---	8 339	8 430	8 326	8 589	8 757	8 631	8 779	8 766	8 509	8 484	8 359	8 344
1990 ---	8 662	8 907	8 944	9 139	9 227	8 984	9 058	8 984	8 850	8 792	8 627	8 431
1991 ---	8 776	8 890	8 690	8 797	8 858	8 619	8 729	8 631	8 580	8 541	8 328	8 235
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 051	7 033	6 917	6 898	6 878	6 731	6 784	6 738	6 711	6 650	6 713	6 723
1983 ---	6 717	6 679	6 712	6 777	6 901	6 986	7 084	7 173	7 316	7 445	7 524	7 514
1984 ---	7 588	7 620	7 723	7 754	7 879	7 955	8 015	8 061	8 015	8 024	7 888	7 827
1985 ---	7 734	7 783	7 662	7 587	7 476	7 431	7 346	7 280	7 391	7 454	7 429	7 436
1986 ---	7 179	7 293	7 324	7 335	7 298	7 382	7 290	7 111	7 152	7 036	7 099	7 192
1987 ---	7 244	7 421	7 558	7 550	7 513	7 549	7 561	7 784	7 791	7 860	7 930	7 942
1988 ---	8 014	8 008	8 060	8 146	8 185	8 294	8 358	8 366	8 213	8 301	8 420	8 419
1989 ---	8 402	8 358	8 249	8 385	8 495	8 519	8 601	8 696	8 632	8 673	8 608	8 716
1990 ---	8 721	8 819	8 880	8 932	8 940	8 881	8 869	8 907	8 967	8 971	8 890	8 822
1991 ---	8 833	8 793	8 640	8 606	8 578	8 527	8 544	8 555	8 687	8 708	8 588	8 623
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.3	-1.6	-.3	-.3	-2.1	.8	-.7	-.4	-.9	.9	.1
1983 ---	-.1	-.6	.5	1.0	1.8	1.2	1.4	1.3	2.0	1.8	1.1	-.1
1984 ---	1.0	.4	1.4	.4	1.6	1.0	.6	.6	-.6	.1	-1.7	-.8
1985 ---	-1.2	.6	-1.6	-1.0	-1.5	-.6	-1.1	-.9	1.5	.9	-.3	.1
1986 ---	-3.5	1.6	.4	.2	-.5	1.2	-1.2	-2.5	.6	-1.6	.9	1.3
1987 ---	.7	2.4	1.8	-.1	-.5	.5	.2	2.9	.1	.9	.9	.2
1988 ---	.9	-.1	.6	1.1	.5	1.3	.8	.1	-1.8	1.1	1.4	-.1
1989 ---	-.2	-.5	-1.3	1.6	1.3	.3	1.0	1.1	-.7	.5	-.7	1.3
1990 ---	.1	1.1	.7	.6	.1	-.7	-.1	.4	.7	-.7	-.9	-.8
1991 ---	.1	-.5	-1.7	-.4	-.3	-.6	.2	.1	1.5	.2	-1.4	.4

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>BROADWOVEN FABRICS AND OTHER TEXTILES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 592	4 663	4 580	4 556	4 526	4 339	4 369	4 309	4 182	4 145	4 224	4 214
1983 ---	4 332	4 341	4 358	4 378	4 440	4 418	4 474	4 480	4 466	4 569	4 627	4 602
1984 ---	4 701	4 798	4 913	4 929	5 028	5 090	5 082	5 075	4 923	4 939	4 850	4 760
1985 ---	4 743	4 822	4 819	4 774	4 746	4 571	4 493	4 376	4 399	4 416	4 436	4 401
1986 ---	4 256	4 431	4 476	4 514	4 434	4 442	4 400	4 190	4 189	4 076	4 121	4 170
1987 ---	4 274	4 451	4 515	4 577	4 521	4 489	4 579	4 709	4 573	4 573	4 677	4 625
1988 ---	4 807	4 861	4 926	5 022	5 077	5 105	5 133	5 074	4 901	4 885	4 990	4 927
1989 ---	5 107	5 119	5 064	5 194	5 280	5 236	5 287	5 259	5 140	5 142	5 167	5 123
1990 ---	5 269	5 405	5 386	5 474	5 490	5 335	5 391	5 331	5 268	5 327	5 286	5 131
1991 ---	5 328	5 441	5 288	5 367	5 358	5 201	5 249	5 176	5 018	5 035	5 051	4 930
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 555	4 566	4 479	4 457	4 431	4 314	4 357	4 325	4 300	4 268	4 305	4 288
1983 ---	4 315	4 269	4 293	4 293	4 353	4 386	4 455	4 494	4 574	4 684	4 703	4 688
1984 ---	4 706	4 737	4 821	4 835	4 933	5 047	5 051	5 085	5 026	5 052	4 925	4 859
1985 ---	4 767	4 777	4 734	4 679	4 658	4 521	4 455	4 377	4 485	4 521	4 507	4 502
1986 ---	4 285	4 395	4 402	4 417	4 349	4 389	4 353	4 185	4 270	4 179	4 191	4 276
1987 ---	4 301	4 415	4 447	4 473	4 431	4 435	4 521	4 700	4 663	4 698	4 759	4 755
1988 ---	4 827	4 813	4 862	4 906	4 969	5 053	5 063	5 062	5 000	5 018	5 074	5 081
1989 ---	5 115	5 060	5 010	5 078	5 160	5 191	5 211	5 244	5 248	5 276	5 249	5 298
1990 ---	5 266	5 333	5 340	5 357	5 356	5 300	5 315	5 315	5 382	5 455	5 367	5 315
1991 ---	5 319	5 362	5 249	5 256	5 222	5 170	5 176	5 161	5 126	5 152	5 128	5 109
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.2	-1.9	-.5	-.6	-2.6	1.0	-.7	-.6	-.7	.9	-.4
1983 ---	.6	-1.1	-.6	.6	1.4	.8	1.6	.9	1.8	2.4	.4	-.3
1984 ---	.4	.7	1.8	.3	2.0	2.3	.1	-.7	-1.2	.5	-2.5	-1.3
1985 ---	-1.9	.2	-.9	-1.2	-.4	-2.9	-1.5	-1.8	2.5	.8	-.3	-.1
1986 ---	-4.8	2.6	.2	.3	-1.5	.9	-.8	-3.9	2.0	-2.1	.3	2.0
1987 ---	.6	2.7	.7	.6	-.9	.1	1.9	4.0	-.8	.8	1.3	-.1
1988 ---	1.5	-.3	1.0	.9	1.3	1.7	.2	-.2	-1.2	.4	1.1	.1
1989 ---	.7	-1.1	-1.0	1.4	1.6	.6	.4	.6	.1	.5	-.5	.9
1990 ---	-.6	1.3	.1	.3	-.6	-1.0	.3	-.3	1.3	1.4	-1.6	-1.0
1991 ---	.1	.8	-2.1	.1	-.6	-1.0	.1	-.3	-.7	.5	-.5	-.4
<b>PAPER AND ALLIED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 812	9 076	9 223	9 342	9 376	9 295	9 138	9 045	8 907	8 961	8 984	8 898
1983 ---	8 839	8 886	8 904	8 955	9 051	9 030	8 891	8 830	8 736	8 951	9 114	9 075
1984 ---	9 161	9 352	9 495	9 756	9 902	9 959	9 987	9 948	9 943	10 058	10 232	10 183
1985 ---	10 334	10 405	10 524	10 513	10 428	10 340	10 027	10 007	9 846	9 894	9 978	10 072
1986 ---	10 116	10 111	10 210	10 319	10 313	10 289	10 343	10 254	10 038	9 996	10 132	10 199
1987 ---	10 410	10 608	10 838	10 906	11 014	10 966	10 854	10 867	10 775	10 721	10 836	11 111
1988 ---	11 253	11 325	11 378	11 575	11 624	11 659	11 676	11 758	11 786	11 854	12 139	12 385
1989 ---	12 505	12 542	12 584	12 716	12 864	13 058	13 107	13 135	13 033	13 001	13 103	13 190
1990 ---	13 489	13 537	13 478	13 529	13 539	13 560	13 511	13 282	13 149	13 054	13 194	13 390
1991 ---	13 713	13 894	13 913	13 934	13 765	13 536	13 388	13 066	12 994	13 091	13 316	13 474
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 891	9 048	9 126	9 109	9 128	9 102	9 087	9 113	9 148	9 151	9 119	9 022
1983 ---	8 893	8 848	8 809	8 749	8 837	8 868	8 853	8 911	8 959	9 133	9 228	9 192
1984 ---	9 197	9 305	9 392	9 543	9 687	9 801	9 960	10 042	10 178	10 261	10 350	10 297
1985 ---	10 348	10 345	10 408	10 302	10 222	10 198	10 012	10 096	10 061	10 099	10 088	10 170
1986 ---	10 108	10 046	10 097	10 128	10 128	10 157	10 334	10 330	10 241	10 218	10 253	10 280
1987 ---	10 378	10 531	10 725	10 723	10 842	10 842	10 842	10 937	10 974	10 975	10 980	11 183
1988 ---	11 190	11 231	11 260	11 397	11 462	11 540	11 660	11 832	12 000	12 145	12 306	12 450
1989 ---	12 406	12 421	12 457	12 532	12 700	12 935	13 082	13 228	13 271	13 327	13 289	13 247
1990 ---	13 351	13 399	13 343	13 341	13 379	13 443	13 480	13 388	13 404	13 384	13 379	13 448
1991 ---	13 554	13 736	13 775	13 742	13 608	13 422	13 353	13 177	13 249	13 426	13 508	13 532
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.8	.9	-.2	.2	-.3	-.2	.3	.4	-.	-.3	-1.1
1983 ---	-1.4	-.5	-.4	-.7	1.0	.4	-.2	.7	.5	1.9	1.0	-.4
1984 ---	.1	1.2	.9	1.6	1.5	1.2	1.6	.8	1.4	.8	.9	-.5
1985 ---	-.6	-.6	.6	-1.0	-.8	-.2	-1.8	.8	-.3	.4	-.1	.8
1986 ---	-.6	-.6	.5	.3	-.3	-.3	1.7	-.9	-.9	-.2	.3	.3
1987 ---	1.0	1.5	1.8	-.3	1.1	-.7	-.9	-.3	-.3	-.3	-.3	1.8
1988 ---	.1	.4	.3	1.2	.6	.7	1.0	1.5	1.4	1.2	1.3	1.2
1989 ---	-.4	.1	.3	1.3	1.3	1.9	1.1	1.1	.3	.4	-.3	-.3
1990 ---	.8	.4	-.4	-.3	.3	.5	.3	-.7	.1	-.1	-.5	.5
1991 ---	.8	1.3	.3	-.2	-1.0	-1.4	-.5	-1.3	.5	1.3	.6	.2

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PULP, PAPER, AND PAPERBOARD MILL PRODUCTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 363	3 427	3 483	3 524	3 574	3 544	3 527	3 536	3 472	3 501	3 501	3 479
1983 ---	3 469	3 471	3 436	3 483	3 513	3 471	3 393	3 372	3 311	3 399	3 443	3 408
1984 ---	3 375	3 439	3 461	3 520	3 550	3 577	3 626	3 629	3 630	3 668	3 726	3 806
1985 ---	3 899	3 895	3 948	3 890	3 885	3 896	3 836	3 767	3 736	3 746	3 739	3 819
1986 ---	3 898	3 911	3 896	3 871	3 855	3 796	3 772	3 693	3 631	3 668	3 733	3 771
1987 ---	3 805	3 883	3 909	3 901	3 926	3 900	3 846	3 831	3 787	3 758	3 808	3 958
1988 ---	4 205	4 137	4 114	4 137	4 114	4 122	4 139	4 162	4 184	4 198	4 302	4 442
1989 ---	4 657	4 684	4 727	4 768	4 805	4 776	4 797	4 800	4 773	4 851	4 857	4 915
1990 ---	5 016	5 047	4 986	5 026	5 033	5 037	5 083	5 053	5 017	4 982	5 070	5 225
1991 ---	5 328	5 424	5 449	5 467	5 456	5 319	5 289	5 227	5 214	5 220	5 329	5 504
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 371	3 413	3 439	3 474	3 500	3 497	3 529	3 548	3 567	3 559	3 554	3 496
1983 ---	3 459	3 448	3 390	3 435	3 449	3 432	3 396	3 398	3 398	3 462	3 496	3 421
1984 ---	3 350	3 405	3 407	3 472	3 492	3 542	3 631	3 671	3 726	3 746	3 787	3 817
1985 ---	3 853	3 843	3 881	3 835	3 828	3 865	3 844	3 822	3 835	3 837	3 805	3 825
1986 ---	3 836	3 845	3 823	3 814	3 803	3 772	3 785	3 752	3 729	3 767	3 803	3 775
1987 ---	3 731	3 804	3 835	3 841	3 878	3 885	3 863	3 893	3 888	3 869	3 881	4 002
1988 ---	4 115	4 044	4 037	4 071	4 063	4 114	4 161	4 227	4 294	4 327	4 385	4 445
1989 ---	4 551	4 575	4 644	4 688	4 746	4 776	4 822	4 871	4 892	5 005	4 951	4 918
1990 ---	4 897	4 933	4 901	4 940	4 971	5 043	5 109	5 126	5 138	5 140	5 169	5 229
1991 ---	5 199	5 304	5 358	5 373	5 388	5 328	5 313	5 301	5 337	5 386	5 432	5 510
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.2	.8	1.0	.7	-.1	-.9	.5	.5	-.2	-.1	-1.6
1983 ---	-1.1	-.3	-1.7	1.3	.4	-.5	-1.0	.1	-.1	1.9	1.0	-2.1
1984 ---	-2.1	1.6	.1	1.9	.6	1.4	2.5	1.1	1.5	.5	1.1	.8
1985 ---	.9	-.3	1.0	-1.2	-.2	1.0	-.5	-.6	-.3	-.1	-.8	.5
1986 ---	.3	.2	-.6	-.2	-.3	-.8	-.3	-.9	-.6	1.0	1.0	-.7
1987 ---	-1.2	2.0	.8	.2	1.0	.2	-.6	.8	-.1	-.5	.3	3.1
1988 ---	2.8	-1.7	-.2	.8	-.2	1.3	1.1	1.6	1.6	.8	1.3	1.4
1989 ---	2.4	.5	1.5	.9	1.2	.6	1.0	1.0	.4	2.3	-1.1	-.7
1990 ---	-.4	.7	-.6	.8	.6	1.4	1.3	.3	-.2	-.1	.6	1.2
1991 ---	-.6	2.0	1.0	.3	.3	-1.1	-.3	-.2	.7	.9	.9	1.4
<b>PAPERBOARD CONTAINERS AND BOXES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 369	2 391	2 422	2 461	2 469	2 478	2 386	2 382	2 343	2 343	2 323	2 349
1983 ---	2 289	2 263	2 282	2 326	2 333	2 356	2 350	2 326	2 284	2 318	2 391	2 431
1984 ---	2 434	2 501	2 558	2 643	2 674	2 705	2 737	2 711	2 730	2 721	2 761	2 749
1985 ---	2 789	2 801	2 839	2 774	2 689	2 667	2 463	2 507	2 438	2 398	2 409	2 527
1986 ---	2 516	2 488	2 518	2 497	2 470	2 485	2 514	2 551	2 544	2 516	2 522	2 617
1987 ---	2 756	2 810	2 865	2 875	2 919	2 877	2 684	2 948	2 949	2 940	2 967	2 961
1988 ---	2 921	2 949	3 012	3 109	3 153	3 105	3 152	3 170	3 174	3 164	3 181	3 257
1989 ---	3 207	3 173	3 173	3 250	3 277	3 313	3 436	3 465	3 530	3 469	3 449	3 501
1990 ---	3 631	3 541	3 557	3 566	3 477	3 428	3 424	3 329	3 300	3 204	3 191	3 334
1991 ---	3 356	3 376	3 371	3 290	3 219	3 218	3 205	3 160	3 182	3 152	3 215	3 335
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 388	2 396	2 400	2 400	2 415	2 414	2 343	2 390	2 394	2 421	2 376	2 375
1983 ---	2 302	2 262	2 258	2 272	2 289	2 304	2 319	2 337	2 333	2 389	2 442	2 452
1984 ---	2 437	2 493	2 526	2 586	2 632	2 660	2 716	2 724	2 783	2 796	2 819	2 767
1985 ---	2 780	2 787	2 801	2 721	2 653	2 639	2 453	2 516	2 475	2 456	2 460	2 540
1986 ---	2 498	2 475	2 485	2 455	2 442	2 473	2 511	2 555	2 571	2 570	2 577	2 624
1987 ---	2 727	2 801	2 833	2 834	2 892	2 878	2 882	2 948	2 966	2 997	3 034	2 958
1988 ---	2 884	2 946	2 984	3 070	3 131	3 116	3 148	3 170	3 182	3 221	3 251	3 239
1989 ---	3 160	3 179	3 150	3 212	3 261	3 330	3 427	3 470	3 534	3 532	3 521	3 467
1990 ---	3 575	3 553	3 534	3 527	3 469	3 446	3 411	3 340	3 303	3 266	3 255	3 292
1991 ---	3 299	3 391	3 351	3 254	3 218	3 234	3 189	3 174	3 184	3 216	3 281	3 289
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.3	.2	-.1	.6	-.1	-2.9	2.0	.2	1.1	-1.9	-.1
1983 ---	-3.1	-1.7	-.2	.6	.7	.7	.7	.8	-.2	2.4	2.2	-.4
1984 ---	-.6	2.3	1.3	2.4	1.8	1.1	2.1	.3	2.2	.5	.8	-1.8
1985 ---	.5	.3	.5	-.2	-.5	-.5	-7.0	2.6	-1.6	-.8	.2	3.3
1986 ---	-1.7	-.9	.4	-1.2	-.5	1.3	1.5	1.8	.6	-.1	.3	1.8
1987 ---	3.9	2.7	1.1	-.2	2.0	-.5	.1	2.3	.6	1.0	1.2	-2.5
1988 ---	-2.5	2.1	1.3	2.9	2.0	-.5	1.0	.7	.4	1.2	.9	-.4
1989 ---	-2.4	.6	-.9	2.0	1.5	2.1	2.9	1.3	1.8	-.1	-.3	-1.5
1990 ---	3.1	-.6	-.5	-.2	-1.6	-.7	-1.0	-2.1	-1.1	-1.1	-.3	1.1
1991 ---	.2	2.8	-1.2	-2.9	-1.1	.5	-1.4	-.5	.3	1.0	2.0	.2

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MISCELLANEOUS CONVERTED PAPER PRODUCTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 080	3 258	3 318	3 357	3 333	3 273	3 225	3 127	3 092	3 117	3 160	3 070
1983 ---	3 081	3 152	3 186	3 146	3 205	3 203	3 148	3 132	3 141	3 234	3 280	3 236
1984 ---	3 352	3 412	3 476	3 593	3 678	3 677	3 624	3 608	3 583	3 669	3 745	3 626
1985 ---	3 646	3 709	3 737	3 849	3 854	3 777	3 728	3 733	3 672	3 750	3 830	3 726
1986 ---	3 702	3 712	3 796	3 951	3 988	4 008	4 057	4 010	3 863	3 812	3 877	3 811
1987 ---	3 849	3 915	4 064	4 130	4 169	4 189	4 124	4 088	4 039	4 023	4 061	4 152
1988 ---	4 127	4 239	4 252	4 329	4 357	4 432	4 385	4 426	4 428	4 492	4 656	4 686
1989 ---	4 641	4 685	4 684	4 698	4 782	4 969	4 874	4 870	4 730	4 681	4 797	4 774
1990 ---	4 842	4 949	4 935	4 937	5 029	5 095	5 004	4 900	4 832	4 868	4 933	4 831
1991 ---	5 029	5 094	5 093	5 177	5 090	4 999	4 894	4 679	4 598	4 719	4 772	4 635
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 132	3 239	3 287	3 235	3 213	3 191	3 215	3 175	3 187	3 171	3 189	3 151
1983 ---	3 132	3 138	3 161	3 042	3 099	3 132	3 138	3 176	3 228	3 282	3 290	3 319
1984 ---	3 410	3 407	3 459	3 485	3 563	3 599	3 613	3 647	3 669	3 719	3 744	3 713
1985 ---	3 715	3 715	3 726	3 746	3 741	3 694	3 715	3 758	3 751	3 806	3 823	3 805
1986 ---	3 774	3 726	3 789	3 859	3 883	3 912	4 038	4 023	3 941	3 881	3 873	3 881
1987 ---	3 920	3 926	4 057	4 048	4 072	4 079	4 097	4 096	4 120	4 109	4 065	4 223
1988 ---	4 191	4 241	4 239	4 256	4 268	4 310	4 351	4 435	4 524	4 597	4 670	4 766
1989 ---	4 695	4 667	4 663	4 632	4 693	4 829	4 833	4 887	4 845	4 790	4 817	4 862
1990 ---	4 879	4 913	4 908	4 874	4 939	4 954	4 960	4 922	4 963	4 978	4 955	4 927
1991 ---	5 056	5 041	5 066	5 115	5 002	4 860	4 851	4 702	4 728	4 824	4 795	4 733
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	3.4	1.5	-1.6	-7	-7	8	-1.2	4	-5	6	-1.2
1983 ---	-6	.2	.7	-3.8	1.9	1.1	2	1.2	16	1.7	2	9
1984 ---	2.7	-1	1.5	.8	2.2	1.0	4	9	6	1.4	7	-8
1985 ---	-1	-	.3	.5	-1	-1.3	6	1.2	-2	1.5	4	-5
1986 ---	-8	-1.3	1.7	1.8	.6	.7	3.2	-4	-2.0	-1.5	-2	2
1987 ---	1.0	.2	3.3	-2	.6	3	2	4	6	-3	-1.1	3.9
1988 ---	-8	1.2	-	.4	.3	1.0	1.0	1.9	2.0	1.6	1.6	2.1
1989 ---	-1.5	-6	-1	-7	1.3	2.9	.1	1.1	-9	-1.1	6	.9
1990 ---	.3	.7	-1	-7	1.3	.3	.1	-8	8	.3	-5	-6
1991 ---	2.6	-3	.5	1.0	-2.2	-2.8	-2	-3.1	6	2.0	-6	-1.3
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 874	26 120	26 070	26 197	25 553	25 084	25 221	24 880	24 270	24 488	24 447	24 278
1983 ---	24 274	24 433	24 231	24 368	24 113	23 732	24 062	24 220	23 726	24 152	24 525	24 532
1984 ---	24 663	25 147	25 516	25 795	25 868	26 323	26 509	26 718	26 614	26 606	26 445	26 238
1985 ---	25 836	26 162	26 276	26 167	26 314	26 330	26 407	26 329	26 045	26 100	26 318	25 952
1986 ---	26 112	26 160	26 058	26 075	25 670	25 610	25 732	25 271	24 756	25 008	25 162	25 558
1987 ---	25 775	25 953	25 685	25 712	25 587	25 238	25 689	25 526	25 369	25 785	26 120	26 388
1988 ---	27 139	27 756	27 777	27 511	27 572	27 712	28 118	28 259	28 177	28 632	29 009	29 372
1989 ---	29 898	30 475	30 973	31 187	31 291	31 244	31 435	31 381	30 970	31 120	31 192	30 831
1990 ---	30 912	31 493	31 509	31 779	31 789	31 616	32 170	31 852	31 821	32 455	32 913	33 194
1991 ---	33 940	34 221	34 287	34 214	33 944	33 504	33 484	33 369	33 045	33 372	33 851	33 867
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 553	25 552	25 590	25 664	25 273	25 179	25 255	25 089	24 921	24 992	24 724	24 450
1983 ---	24 040	23 985	23 827	23 918	23 945	23 824	24 069	24 353	24 311	24 547	24 752	24 700
1984 ---	24 484	24 781	25 142	25 389	25 747	26 418	26 472	26 790	27 190	26 969	26 631	26 421
1985 ---	25 681	25 826	25 937	25 825	26 211	26 403	26 339	26 392	26 559	26 404	26 458	26 123
1986 ---	25 962	25 837	25 734	25 791	25 594	25 680	25 657	25 346	25 212	25 285	25 282	25 747
1987 ---	25 644	25 644	25 390	25 455	25 497	25 275	25 593	25 625	25 824	26 075	26 259	26 593
1988 ---	26 994	27 401	27 461	27 237	27 439	27 735	28 000	28 381	28 682	28 968	29 185	29 599
1989 ---	29 728	30 052	30 572	30 869	31 145	31 324	31 353	31 575	31 533	31 489	31 393	31 046
1990 ---	30 742	31 061	31 096	31 440	31 605	31 702	32 095	32 056	32 400	32 837	33 124	33 405
1991 ---	33 758	33 760	33 837	33 835	33 735	33 587	33 407	33 591	33 650	33 747	34 050	34 082
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	.1	.3	-1.5	-4	.3	-7	-7	.3	-1.1	-1.1
1983 ---	-1.7	-2	-7	.4	.1	-5	1.0	1.2	-2	1.0	.8	-2
1984 ---	-9	1.2	1.5	1.0	1.4	2.6	.2	1.2	1.5	-8	-1.3	-8
1985 ---	-2.8	.6	.4	-4	1.5	.7	-2	.2	.6	-6	.2	-1.3
1986 ---	-6	-5	-4	2	-8	3	-1	-1.2	-5	.3	-	1.8
1987 ---	-4	-	-1.0	.3	.2	-9	1.3	.1	.8	1.0	.7	1.3
1988 ---	1.5	1.5	.2	-8	.7	1.1	1.0	1.4	1.1	1.0	.7	1.4
1989 ---	.4	1.1	1.7	1.0	.9	.6	.1	.7	-1	-1	-3	-1.1
1990 ---	-1.0	1.0	.1	1.1	.5	.3	1.2	-1	1.1	1.3	.9	.8
1991 ---	1.1	-	2	-	-3	-4	-5	-6	.2	.3	.9	.1

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INDUSTRIAL CHEMICALS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 594	14 602	14 482	14 726	14 473	14 104	14 368	14 144	13 736	13 782	13 643	13 717
1983 ---	13 762	13 668	13 381	13 553	13 439	13 173	13 558	13 669	13 353	13 623	13 806	13 833
1984 ---	13 902	14 174	14 369	14 412	14 659	15 181	15 330	15 506	15 429	15 258	14 658	14 644
1985 ---	14 373	14 541	14 666	14 747	14 756	14 748	14 715	14 651	14 498	14 248	14 162	13 995
1986 ---	14 212	14 112	13 922	13 844	13 561	13 503	13 546	13 159	12 886	12 867	12 924	13 505
1987 ---	13 530	13 577	13 331	13 450	13 320	12 982	13 346	13 249	13 241	13 257	13 390	13 737
1988 ---	14 276	14 373	14 310	14 244	14 197	14 304	14 563	14 581	14 623	14 772	14 982	15 268
1989 ---	15 809	16 089	16 324	16 411	16 550	16 558	16 705	16 693	16 547	16 472	16 367	16 143
1990 ---	16 019	16 296	16 213	16 413	16 358	16 345	16 724	16 475	16 592	16 753	17 058	17 620
1991 ---	17 987	17 993	17 996	17 859	17 634	17 489	17 321	17 110	16 941	16 955	17 239	17 411
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 335	14 297	14 291	14 479	14 278	14 156	14 270	14 171	14 066	14 119	13 949	13 840
1983 ---	13 553	13 436	13 216	13 353	13 313	13 208	13 457	13 651	13 631	13 894	14 098	13 980
1984 ---	13 720	13 985	14 197	14 228	14 568	15 211	15 215	15 461	15 693	15 516	14 949	14 791
1985 ---	14 194	14 367	14 494	14 587	14 705	14 773	14 601	14 619	14 709	14 468	14 423	14 133
1986 ---	14 031	13 946	13 761	13 718	13 526	13 524	13 446	13 158	13 050	13 068	13 146	13 634
1987 ---	13 349	13 397	13 180	13 332	13 294	12 997	13 254	13 289	13 411	13 471	13 609	13 848
1988 ---	14 077	14 162	14 147	14 113	14 166	14 317	14 477	14 662	14 826	15 022	15 215	15 361
1989 ---	15 585	15 837	16 135	16 255	16 514	16 578	16 612	16 814	16 795	16 755	16 613	16 205
1990 ---	15 794	16 043	16 022	16 252	16 316	16 376	16 630	16 608	16 847	17 043	17 306	17 662
1991 ---	17 744	17 719	17 776	17 679	17 587	17 528	17 242	17 255	17 207	17 246	17 481	17 440
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-	1.3	-1.4	-9	.8	-7	-7	.4	-1.2	-8
1983 ---	-2.1	-9	-1.6	1.0	-3	-8	1.9	1.4	-1	1.9	1.5	-1.0
1984 ---	-1.7	1.9	1.5	.2	2.4	4.4	-	1.6	1.5	-1.1	-3.7	-1.1
1985 ---	-4.0	1.2	.9	.6	.8	.5	-1.2	.1	.6	-1.6	-.3	-2.0
1986 ---	-7	-6	-1.3	-3	-1.4	-	-6	-2.1	-.8	.1	.6	3.7
1987 ---	-2.1	.4	-1.6	1.2	-3	-2.2	2.0	.3	.9	.4	1.0	1.8
1988 ---	1.7	.6	-1	-2	.4	1.1	1.1	1.3	1.1	1.3	1.3	1.0
1989 ---	1.5	1.6	1.9	.7	1.6	.4	.2	1.2	-.1	-.2	-.8	-2.5
1990 ---	-2.5	1.6	-.1	1.4	.4	.4	1.6	-.2	1.4	1.2	1.5	2.1
1991 ---	.5	-.1	.3	-.5	-.5	-.3	-1.6	.1	-.3	.2	1.4	-.2
<b>DRUGS, SOAPS, AND TOILETRIES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 043	7 172	7 194	7 269	7 292	7 175	7 076	6 975	6 755	6 843	6 922	6 724
1983 ---	6 711	6 815	6 802	6 932	7 050	6 995	6 952	6 993	6 909	7 074	7 114	6 929
1984 ---	7 040	7 193	7 257	7 475	7 565	7 539	7 553	7 594	7 555	7 582	7 725	7 574
1985 ---	7 572	7 624	7 689	7 872	8 049	8 005	8 032	7 969	7 749	7 937	7 996	7 826
1986 ---	7 851	7 913	8 020	8 335	8 349	8 383	8 500	8 398	8 141	8 327	8 405	8 250
1987 ---	8 427	8 566	8 574	8 658	8 789	8 867	8 764	8 740	8 514	8 729	8 919	8 860
1988 ---	8 977	9 311	9 506	9 495	9 680	9 812	9 921	9 987	9 763	9 955	10 079	9 898
1989 ---	9 821	9 867	10 012	10 282	10 419	10 477	10 545	10 541	10 259	10 471	10 540	10 314
1990 ---	10 399	10 456	10 516	10 804	10 998	10 974	11 123	11 105	10 893	11 172	11 267	10 969
1991 ---	11 150	11 255	11 311	11 613	11 787	11 764	11 834	11 905	11 727	11 973	12 033	11 732
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 137	7 196	7 190	7 133	7 089	7 025	7 022	6 977	6 922	6 936	6 917	6 866
1983 ---	6 809	6 842	6 807	6 808	6 858	6 868	6 890	6 978	7 079	7 148	7 097	7 077
1984 ---	7 152	7 230	7 274	7 358	7 369	7 412	7 471	7 559	7 735	7 640	7 701	7 735
1985 ---	7 698	7 672	7 719	7 767	7 858	7 874	7 927	7 913	7 926	7 983	7 968	7 988
1986 ---	7 986	7 973	8 062	8 244	8 163	8 245	8 372	8 322	8 319	8 364	8 376	8 415
1987 ---	8 574	8 641	8 627	8 576	8 618	8 724	8 619	8 648	8 691	8 756	8 885	9 036
1988 ---	9 133	9 399	9 578	9 416	9 503	9 660	9 754	9 874	9 946	9 969	10 034	10 098
1989 ---	9 993	9 990	10 103	10 201	10 238	10 324	10 369	10 414	10 428	10 467	10 483	10 527
1990 ---	10 585	10 579	10 628	10 721	10 808	10 820	10 940	10 968	11 054	11 150	11 200	11 200
1991 ---	11 352	11 403	11 442	11 521	11 585	11 603	11 638	11 756	11 893	11 939	11 959	11 988
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.8	-.1	-.8	-.6	-.9	-	-.6	-.8	.2	-.3	-.7
1983 ---	-.8	.5	-.5	-.7	.7	.1	.3	1.3	1.4	1.0	-.7	-.3
1984 ---	1.1	1.1	.6	1.2	.1	.6	.8	1.2	2.3	-1.2	.8	-.4
1985 ---	-.5	-.3	.6	.6	1.2	.2	.7	-.2	.2	.7	-.2	.3
1986 ---	-	-.2	1.1	2.3	-.9	.9	1.5	-.6	-	.5	.1	.5
1987 ---	1.9	.8	-.2	-.6	.5	1.2	-.2	.3	.5	.7	1.5	1.7
1988 ---	1.1	2.9	1.9	-1.7	.9	1.7	1.0	1.2	.7	.2	.7	.6
1989 ---	-1.0	-	1.1	.4	.4	.8	.4	.4	.1	.4	.2	.4
1990 ---	.6	-.1	.5	.9	.8	.1	1.1	.3	.8	.9	.4	-.
1991 ---	1.4	.4	.3	.7	.6	.2	.3	1.0	1.2	.4	.2	.2

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	17 864	17 539	17 604	16 814	16 052	16 002	16 508	16 872	16 909	16 878	17 907	16 732
1983 ---	17 224	17 108	15 758	15 355	15 312	15 369	15 549	15 347	15 886	15 831	15 592	14 599
1984 ---	14 698	15 133	14 673	15 441	15 613	15 255	15 369	15 345	15 355	15 459	15 284	14 036
1985 ---	13 919	13 620	13 445	13 724	14 037	13 672	13 546	12 957	12 556	12 985	13 721	13 746
1986 ---	12 778	12 118	10 816	10 585	10 480	10 137	9 686	9 468	9 050	9 114	9 141	8 644
1987 ---	8 879	9 054	9 003	9 051	9 217	9 307	9 507	10 017	9 878	10 047	10 339	9 797
1988 ---	9 626	9 580	9 668	9 855	10 185	10 008	9 906	9 613	9 480	9 435	9 302	9 021
1989 ---	9 570	9 720	9 862	10 482	10 744	11 001	10 824	10 690	10 495	10 694	10 777	10 374
1990 ---	11 453	11 446	11 457	11 258	11 318	10 994	11 180	11 847	13 526	13 849	13 717	13 133
1991 ---	12 509	12 099	11 734	11 847	12 171	12 070	11 821	11 846	12 127	11 915	11 979	11 202
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	17 849	17 429	18 147	17 080	16 068	16 176	16 513	16 923	16 783	16 593	17 121	17 009
1983 ---	17 221	17 040	16 227	15 600	15 303	15 508	15 544	15 393	15 791	15 574	14 925	14 842
1984 ---	14 719	15 102	15 084	15 689	15 579	15 361	15 350	15 392	15 267	15 200	14 651	14 258
1985 ---	13 954	13 637	13 804	13 932	13 994	13 743	13 522	12 983	12 498	12 761	13 202	13 962
1986 ---	12 827	12 175	11 091	10 718	10 432	10 164	9 662	9 483	9 010	8 943	8 833	8 774
1987 ---	8 937	9 120	9 219	9 152	9 160	9 319	9 494	10 025	9 826	9 847	10 031	9 940
1988 ---	9 711	9 651	9 880	9 953	10 105	10 003	9 910	9 635	9 437	9 255	9 075	9 134
1989 ---	9 673	9 792	10 054	10 561	10 641	10 986	10 855	10 738	10 435	10 472	10 519	10 482
1990 ---	11 595	11 532	11 659	11 323	11 214	10 982	11 236	11 923	13 419	13 541	13 378	13 236
1991 ---	12 690	12 189	11 932	11 904	12 048	12 056	11 887	11 943	12 039	11 660	11 722	11 286
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.4	4.1	-5.9	-5.9	.7	2.1	2.5	-.8	-1.1	3.2	-.7
1983 ---	1.2	-1.1	-4.8	-3.9	-1.9	1.3	2	-1.0	2.6	-1.4	-4.2	-.6
1984 ---	-.8	2.6	-.1	4.0	-.7	-.1	-.1	3	-.8	-.4	-3.6	-2.7
1985 ---	-2.1	-2.3	1.2	.9	.4	-1.8	-1.6	-4.0	-3.7	2.1	3.5	5.8
1986 ---	-8.1	-5.1	-8.9	-3.4	-2.7	-2.6	-4.9	-1.9	-5.0	-.7	-1.2	-.7
1987 ---	1.9	2.0	1.1	-.7	.1	1.7	1.9	5.6	-2.0	2	1.9	-.9
1988 ---	-2.3	-.6	2.4	-.7	1.5	-1.0	-.9	-2.8	-2.1	-1.9	-.9	-.7
1989 ---	5.9	1.2	2.7	5.0	.8	3.2	-1.2	-1.1	-2.8	4	-.4	-.4
1990 ---	10.6	-.5	1.1	-2.9	-1.0	-2.1	2.3	6.1	12.5	.9	-1.2	-1.1
1991 ---	-4.1	-3.9	-2.1	-.2	1.2	.1	-1.4	.5	8	-3.1	5	-3.7
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 168	8 271	8 386	8 517	8 363	8 171	7 878	7 681	7 538	7 634	7 467	7 596
1983 ---	7 640	7 667	7 808	8 008	7 951	7 936	7 849	7 700	7 708	7 814	7 828	7 918
1984 ---	8 076	8 345	8 676	8 706	8 916	9 086	9 039	8 986	8 801	8 803	8 684	8 741
1985 ---	8 679	8 930	9 168	9 286	9 170	9 148	9 038	8 969	8 945	8 707	8 753	9 072
1986 ---	9 220	9 486	9 645	9 634	9 548	9 356	9 228	9 037	8 969	8 827	8 951	9 178
1987 ---	9 271	9 422	9 564	9 656	9 746	9 621	9 686	9 889	9 727	9 646	9 760	9 982
1988 ---	10 067	10 184	10 469	10 628	10 685	10 642	10 710	10 704	10 831	10 874	10 964	11 145
1989 ---	11 452	11 614	11 885	11 782	11 771	11 582	11 615	11 490	11 426	11 319	11 305	11 354
1990 ---	11 482	11 432	11 419	11 306	11 465	11 219	11 308	11 205	11 418	11 619	11 631	11 774
1991 ---	11 992	11 963	11 867	11 911	11 708	11 359	11 246	11 106	10 990	10 967	11 063	11 098
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 169	8 187	8 086	8 099	8 072	8 003	7 860	7 848	7 780	7 926	7 813	7 748
1983 ---	7 664	7 596	7 542	7 646	7 695	7 769	7 824	7 836	7 934	8 076	8 143	8 072
1984 ---	8 120	8 280	8 414	8 359	8 660	8 907	9 005	9 113	9 034	9 095	8 992	8 905
1985 ---	8 728	8 850	8 900	8 952	8 917	8 992	9 008	9 075	9 159	9 017	9 035	9 217
1986 ---	9 259	9 401	9 395	9 335	9 316	9 246	9 205	9 126	9 150	9 092	9 198	9 283
1987 ---	9 285	9 325	9 339	9 396	9 535	9 566	9 684	9 890	9 896	9 913	9 994	10 056
1988 ---	10 049	10 063	10 244	10 372	10 480	10 642	10 737	10 829	11 000	11 142	11 175	11 193
1989 ---	11 397	11 464	11 654	11 523	11 574	11 628	11 670	11 640	11 596	11 562	11 479	11 383
1990 ---	11 398	11 279	11 210	11 070	11 300	11 292	11 378	11 358	11 585	11 842	11 778	11 800
1991 ---	11 886	11 798	11 656	11 671	11 551	11 445	11 321	11 263	11 150	11 164	11 182	11 120
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2	-1.2	2	-.3	-.9	-1.8	-2	-.9	1.9	-1.4	-.8
1983 ---	-1.1	-.9	-.7	1.4	.6	1.0	7	2	1.3	1.8	8	-.9
1984 ---	6	2.0	1.6	-.7	3.6	2.9	1.1	1.2	-.9	-.7	-1.1	-1.0
1985 ---	-2.0	1.4	6	6	-.4	-.8	2	7	9	-.6	1.2	2.0
1986 ---	5	1.5	-.1	-.6	-.2	-.8	-.4	-.9	3	-.6	8	6
1987 ---	-.1	4	2	6	1.5	3	1.2	3.2	-.9	2	3	2
1988 ---	-.1	1	1.8	1.2	1.0	1.5	9	9	1.6	1.3	3	2
1989 ---	1.8	6	1.7	-1.1	4	5	4	-.3	-.4	-.7	-.8	-.8
1990 ---	1	-1.0	-.6	-1.2	2.1	-.1	8	-.2	2.0	2.2	-.5	-.2
1991 ---	7	-.7	-1.2	1	-1.0	-.9	-1.1	-.5	-1.0	1	2	-.6

See footnotes at end of table



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL OTHER NONDURABLE GOODS INDUSTRIES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	16 805	17 044	17 002	17 375	17 704	17 930	17 705	17 270	16 637	16 228	15 642	15 743
1983	15 992	16 090	16 151	16 490	16 837	17 440	17 517	17 396	17 060	16 905	16 648	16 999
1984	17 642	17 982	18 440	18 939	19 678	20 315	20 358	20 151	19 823	19 372	18 890	18 844
1985	18 869	19 426	19 380	19 898	20 097	20 427	20 261	20 057	19 612	19 060	18 565	18 856
1986	19 217	19 536	19 718	20 264	20 468	20 659	20 672	20 549	20 033	19 759	19 398	19 188
1987	19 878	20 064	20 256	20 618	21 090	21 243	21 261	21 032	20 785	20 389	20 185	20 487
1988	20 822	21 259	21 824	22 702	23 449	23 681	23 731	23 869	23 489	22 717	22 319	22 127
1989	22 412	22 443	22 621	22 991	23 603	23 760	23 896	23 621	23 371	22 814	22 665	22 238
1990	22 802	23 070	23 392	23 574	24 127	24 411	24 814	24 602	24 010	23 311	22 810	22 571
1991	22 937	23 235	23 435	23 694	23 939	24 159	24 080	23 946	23 500	23 273	22 928	22 967
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	17 261	17 321	17 027	17 059	17 037	16 992	16 912	16 841	16 719	16 729	16 537	16 570
1983	16 397	16 337	16 199	16 215	16 253	16 570	16 769	16 972	17 116	17 378	17 537	17 856
1984	18 077	18 259	18 527	18 646	19 037	19 351	19 513	19 652	19 829	19 865	19 839	19 767
1985	19 334	19 740	19 486	19 608	19 486	19 518	19 462	19 454	19 562	19 504	19 431	19 752
1986	19 690	19 870	19 850	19 983	19 845	19 797	19 889	20 013	19 932	20 193	20 230	20 086
1987	20 394	20 433	20 413	20 358	20 466	20 486	20 486	20 466	20 635	20 810	20 985	21 430
1988	21 367	21 656	21 998	22 441	22 758	22 807	22 881	23 219	23 300	23 152	23 153	23 140
1989	23 015	22 870	22 801	22 769	22 954	22 929	23 052	22 944	23 168	23 219	23 478	23 245
1990	23 414	23 497	23 579	23 367	23 479	23 567	23 945	23 895	23 806	23 698	23 602	23 591
1991	23 570	23 658	23 605	23 485	23 323	23 342	23 241	23 262	23 318	23 667	23 759	23 988
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	.3	-1.7	.2	-.1	-.3	-.5	-.4	-.7	.1	-1.1	.2
1983	-1.0	-.4	-.8	.1	.2	2.0	1.2	1.2	.8	1.5	-.9	1.8
1984	1.2	1.0	1.5	.6	2.1	1.6	.8	.7	.9	-.2	-.1	-.4
1985	-2.2	2.1	-1.3	.6	-.6	-.2	-.3	.4	1	-.3	-.4	1.7
1986	-.3	.9	-.1	.7	-.7	-.2	-.5	.6	-.4	1.3	.2	-.7
1987	1.5	.2	-.1	-.3	.5	-.2	.3	-.1	.8	-.8	.8	2.1
1988	-.3	1.4	1.6	2.0	1.4	.2	.3	1.5	.3	-.6	-.1	-.1
1989	-.5	-.6	-.3	-.1	.8	-.1	.5	-.5	1.0	-.2	1.1	-1.0
1990	-.7	.4	.3	-.9	.5	.4	1.6	-.2	-.4	-.5	-.4	-.1
1991	-.1	.4	-.2	-.5	-.7	.1	-.4	.1	.2	1.5	-.4	1.0
<b>AUTOMOTIVE EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	5 318	5 339	5 245	5 091	5 036	4 905	4 761	4 908	4 834	4 873	4 844	4 895
1983	4 935	4 964	4 797	4 760	4 839	4 729	4 723	5 038	5 053	5 176	5 357	5 534
1984	5 624	5 797	5 783	5 633	5 699	5 601	5 610	5 926	6 014	6 185	6 157	6 241
1985	6 263	6 410	6 303	6 218	6 084	5 945	5 869	6 227	6 207	6 202	6 260	6 263
1986	6 253	6 404	6 307	6 200	6 228	5 910	5 783	5 957	5 980	5 890	6 111	5 944
1987	6 015	6 229	6 223	6 101	6 102	5 911	5 858	6 034	6 165	6 149	6 363	6 296
1988	6 460	6 522	6 413	6 252	6 231	6 138	6 091	6 201	6 278	6 304	6 469	6 362
1989	6 616	6 783	6 649	6 651	6 602	6 501	6 733	6 728	6 559	6 521	6 561	6 290
1990	6 651	6 757	6 550	6 577	6 629	6 391	6 591	6 644	6 581	6 593	6 816	6 772
1991	6 959	7 105	6 681	6 596	6 461	6 231	6 243	6 415	6 461	6 487	6 720	6 543
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	5 163	5 129	5 100	5 051	5 053	5 070	5 045	4 958	4 860	4 894	4 823	4 864
1983	4 800	4 771	4 677	4 728	4 859	4 893	4 991	5 081	5 074	5 173	5 324	5 494
1984	5 493	5 578	5 657	5 609	5 729	5 811	5 910	5 969	6 043	6 189	6 108	6 191
1985	6 134	6 172	6 162	6 177	6 100	6 157	6 161	6 274	6 243	6 220	6 207	6 222
1986	6 131	6 168	6 171	6 177	6 246	6 108	6 046	6 007	6 013	5 920	6 048	5 925
1987	5 900	6 004	6 101	6 093	6 115	6 094	6 089	6 082	6 205	6 193	6 295	6 312
1988	6 327	6 273	6 302	6 249	6 243	6 318	6 286	6 243	6 327	6 367	6 401	6 405
1989	6 476	6 514	6 554	6 657	6 617	6 674	6 906	6 768	6 622	6 584	6 486	6 355
1990	6 508	6 473	6 473	6 584	6 652	6 559	6 729	6 677	6 649	6 663	6 743	6 853
1991	6 808	6 800	6 612	6 601	6 488	6 406	6 356	6 441	6 531	6 553	6 649	6 624
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-.7	-.6	-1.0	-.1	.3	-.5	-1.7	-2.0	.7	-1.5	.9
1983	-1.3	-.6	-2.0	1.1	2.8	.7	2.0	1.8	-.1	2.0	2.9	3.2
1984	-.1	1.5	1.4	-.8	2.1	1.4	1.7	1.0	1.2	2.4	-1.3	1.4
1985	-.9	.6	-.2	.2	-1.2	.9	-.1	1.8	-.5	-.4	-.2	.2
1986	-1.5	.6	-.1	.1	1.1	-2.2	-1.0	-.6	.1	-1.5	2.2	-2.0
1987	-.4	1.8	1.6	-.1	.4	-.3	-.1	-.1	2.0	-.2	1.6	.3
1988	.2	-.9	.5	-.8	-.1	1.2	-.5	-.7	1.3	.6	.5	-.1
1989	1.1	.6	.6	1.6	-.6	.9	3.5	-2.0	-2.2	-.6	-1.5	-2.0
1990	2.4	-.5	-.1	1.7	1.0	-1.4	2.6	-.8	-.4	.2	1.2	1.6
1991	-.7	-.1	-2.8	-.2	-1.7	-1.3	-.8	1.3	1.4	.3	1.5	-.4

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOME GOODS AND APPAREL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	22 641	22 826	22 574	22 927	23 407	23 431	23 146	22 590	21 933	21 337	20 722	20 863
1983 ---	21 151	21 221	21 223	21 684	22 251	22 693	22 272	22 037	21 741	21 514	21 182	21 784
1984 ---	22 551	22 910	23 442	24 172	25 056	25 351	25 199	24 878	24 548	24 272	23 729	24 027
1985 ---	24 694	24 754	24 655	25 165	25 445	25 643	25 307	24 804	24 022	23 470	22 989	23 326
1986 ---	23 774	23 810	24 056	24 675	24 989	25 087	24 626	24 134	23 342	22 938	22 578	22 793
1987 ---	23 705	24 005	24 191	24 697	25 312	25 289	25 233	24 702	24 327	24 158	23 772	24 485
1988 ---	25 194	25 562	25 843	26 440	27 304	27 254	27 208	26 906	26 117	25 666	25 474	25 719
1989 ---	26 256	26 186	26 195	26 871	27 477	27 149	27 233	26 702	26 702	26 368	26 065	26 011
1990 ---	27 153	27 464	27 640	28 051	28 726	28 489	28 107	27 817	27 290	26 538	25 894	25 931
1991 ---	26 331	26 349	25 948	26 217	26 739	26 567	26 246	26 003	26 091	25 842	25 634	26 075
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	22 951	22 914	22 488	22 435	22 390	22 374	22 468	22 346	22 243	22 077	21 877	21 738
1983 ---	21 413	21 309	21 176	21 238	21 323	21 687	21 613	21 804	22 025	22 207	22 327	22 684
1984 ---	22 826	23 035	23 428	23 681	24 023	24 229	24 422	24 615	24 871	25 026	25 006	25 006
1985 ---	24 995	24 906	24 661	24 650	24 429	24 557	24 530	24 535	24 336	24 181	24 194	24 253
1986 ---	24 044	23 967	24 079	24 165	23 985	24 057	23 878	23 869	23 661	23 646	23 741	23 669
1987 ---	23 944	24 140	24 202	24 187	24 328	24 339	24 490	24 414	24 640	24 876	24 940	25 413
1988 ---	25 434	25 676	25 861	25 914	26 248	26 287	26 454	26 619	26 423	26 400	26 667	26 682
1989 ---	26 475	26 271	26 216	26 361	26 442	26 262	26 673	26 956	26 985	27 093	27 225	26 996
1990 ---	27 370	27 534	27 677	27 544	27 657	27 594	27 415	27 539	27 530	27 230	27 005	26 916
1991 ---	26 524	26 407	26 000	25 765	25 761	25 746	25 610	25 736	26 290	26 505	26 743	27 067
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2	-1.9	-2	-2	-1	4	-5	-5	-7	-9	-6
1983 ---	-1.5	-5	-6	3	-4	1.7	-3	9	10	8	5	1.6
1984 ---	6	9	1.7	1.1	1.4	9	8	8	1.0	6	-1	-
1985 ---	-	-4	-1.0	-	-9	-	-1	-	-8	-6	1	2
1986 ---	-9	-3	5	4	-7	-3	-7	-	-9	-1	4	-3
1987 ---	1.2	8	3	-1	6	-	6	-3	9	1.0	3	1.9
1988 ---	1	1.0	7	2	1.3	1	6	6	-7	-1	1.0	1
1989 ---	-8	-8	-2	6	3	-7	1.6	1.1	1	4	5	-8
1990 ---	1.4	6	5	-5	-4	-2	-6	5	-	-1.1	-8	-3
1991 ---	-1.5	-4	-1.5	-9	-	-1	-5	5	2.2	8	9	1.2
<b>CONSUMER STAPLES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	49 682	49 443	49 097	48 689	47 432	46 524	47 194	47 950	48 320	49 217	49 898	48 455
1983 ---	48 807	48 339	46 999	46 565	46 115	45 692	46 176	46 860	47 845	48 864	48 869	47 620
1984 ---	48 200	48 362	47 787	48 150	48 249	47 382	47 679	48 730	49 444	50 174	50 264	48 805
1985 ---	48 922	48 728	47 828	47 980	47 730	46 634	46 676	47 264	47 129	48 671	48 739	48 306
1986 ---	47 855	47 222	45 763	46 001	45 255	44 464	44 981	45 511	44 898	45 974	46 034	45 159
1987 ---	45 974	45 912	45 337	45 382	45 510	45 400	45 490	46 620	46 774	47 809	48 063	47 326
1988 ---	47 599	47 827	47 540	47 771	47 670	47 599	48 081	49 189	49 209	50 331	50 353	49 556
1989 ---	50 026	50 080	49 696	50 727	50 376	50 481	51 196	52 229	52 204	53 244	53 316	52 331
1990 ---	53 717	53 743	53 177	53 261	53 101	52 678	53 808	55 496	56 984	58 305	58 031	56 781
1991 ---	57 588	57 327	56 242	56 868	56 213	55 714	56 060	57 272	57 992	59 311	59 097	57 824
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	48 837	48 813	49 251	48 861	47 956	47 821	48 590	48 600	48 273	48 234	48 445	48 183
1983 ---	48 018	47 737	47 180	46 753	46 618	47 012	47 483	47 410	47 873	47 864	47 458	47 336
1984 ---	47 435	47 794	48 064	48 438	48 814	48 758	48 861	49 065	49 347	49 063	48 879	48 550
1985 ---	48 231	48 240	48 177	48 323	48 302	47 931	47 706	47 428	47 020	47 580	47 485	48 110
1986 ---	47 272	46 831	46 178	46 355	45 826	45 681	45 862	45 493	44 761	44 909	44 952	44 958
1987 ---	45 475	45 592	45 783	45 728	46 127	46 644	46 295	46 521	46 624	46 691	46 958	47 153
1988 ---	47 118	47 525	48 048	48 132	48 333	48 852	48 847	49 039	49 040	49 173	49 232	49 808
1989 ---	49 580	49 774	50 218	51 097	51 103	51 767	51 957	51 999	51 931	51 994	52 154	52 223
1990 ---	53 276	53 410	53 769	53 626	53 921	54 055	54 587	55 277	56 670	56 904	56 734	56 675
1991 ---	57 134	56 945	56 876	57 242	57 125	57 207	56 921	57 052	57 663	57 859	57 788	57 711
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	9	-8	-1.9	-3	1.6	-	-7	-1	4	-5
1983 ---	-3	-6	-1.2	-9	-3	8	10	-2	1.0	-	-8	-3
1984 ---	2	8	6	8	8	-1	2	4	6	-6	-4	-7
1985 ---	-7	-	-1	-3	-	-8	-5	-6	-9	1.2	-2	1.3
1986 ---	-1.7	-9	-1.4	4	-1.1	-3	4	-8	-1.6	3	1	-
1987 ---	1.1	3	4	-1	9	1.1	-7	5	2	1	6	4
1988 ---	-1	9	1.1	2	4	1.1	-	4	-	3	1	1.2
1989 ---	-5	4	9	18	-	1.3	4	1	-1	1	3	1
1990 ---	2.0	3	7	-3	6	2	10	1.3	2.5	4	-3	-1
1991 ---	8	-3	-1	6	-2	1	-5	2	1.1	3	-1	-1

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>MACHINERY AND EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	76 792	78 136	78 334	79 342	79 354	78 728	78 521	78 530	77 614	77 767	76 729	74 815
1983	73 940	74 424	72 887	73 016	73 197	71 742	71 142	71 344	71 468	72 081	71 902	70 409
1984	71 299	72 689	73 537	74 829	75 721	75 449	76 173	77 002	77 569	78 864	78 895	77 269
1985	78 930	79 735	79 074	79 533	79 504	78 396	78 082	77 953	77 260	76 546	76 114	73 794
1986	74 300	74 988	74 355	73 921	73 936	72 649	72 429	72 563	72 189	72 334	72 051	69 166
1987	70 373	71 005	70 452	71 089	71 355	70 476	70 460	71 175	70 453	71 264	71 752	70 573
1988	72 414	73 979	74 261	75 394	76 204	75 715	76 544	78 249	77 688	78 575	79 740	78 803
1989	81 342	83 890	83 739	85 132	86 302	86 305	87 092	87 615	87 009	87 920	88 724	86 798
1990	89 373	90 117	89 343	90 663	91 458	89 241	90 621	90 823	90 350	91 383	91 953	89 040
1991	91 193	92 676	92 260	93 134	92 781	90 774	91 138	91 215	90 192	90 501	90 459	87 691
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	77 133	77 433	77 556	78 279	78 273	78 603	78 684	78 544	78 138	78 091	77 000	76 509
1983	74 343	73 848	72 340	72 166	72 289	71 721	71 306	71 221	71 766	72 156	72 072	72 048
1984	71 779	72 179	73 136	74 064	74 814	75 493	76 351	77 765	77 765	78 786	78 962	79 039
1985	79 511	79 246	78 760	78 796	78 615	78 491	78 241	77 655	77 434	76 406	76 095	75 536
1986	74 854	74 523	74 170	73 274	73 126	72 729	72 498	72 243	72 374	72 182	71 995	70 895
1987	70 904	70 546	70 311	70 440	70 552	70 561	70 444	70 839	70 724	71 147	71 684	72 396
1988	72 956	73 427	74 122	74 676	75 299	75 834	76 447	77 869	78 075	78 487	79 655	80 846
1989	81 966	83 274	83 590	84 266	85 219	86 476	86 914	87 204	87 587	87 840	88 638	89 031
1990	90 033	89 437	89 148	89 698	90 268	89 454	90 369	90 397	91 015	91 347	91 885	91 328
1991	91 840	91 991	92 014	92 123	91 566	91 007	90 840	90 852	90 936	90 465	90 413	89 997
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	.4	.2	.9	—	.4	.1	—2	—5	—1	—1.4	—6
1983	—2.8	—7	—2.0	—2	.2	—8	—6	—1	.8	.5	—1	—
1984	—4	.6	1.3	1.3	1.0	.9	1.1	1.9	—	1.3	.2	—1
1985	.6	—3	—6	—	—2	—2	—3	—7	—3	—1.3	—4	—7
1986	—9	—4	—5	—1.2	—2	—5	—3	—4	—2	—3	—3	—1.5
1987	—	—5	—3	.2	.2	—	—2	.6	—2	.6	.8	1.0
1988	.8	.6	.9	.7	.8	.7	.8	1.9	.3	.5	1.5	1.5
1989	1.4	1.6	.4	.8	1.1	1.5	.5	.3	.4	.3	.9	.4
1990	1.1	—7	—3	.6	.6	—9	1.0	—	.7	.4	.6	—6
1991	.6	.2	—	.1	—6	—6	—2	—	.1	—5	—1	—5
<b>BUSINESS SUPPLIES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	18 702	18 964	19 130	19 026	18 648	18 602	18 701	18 630	18 340	18 277	18 164	17 633
1983	17 847	18 000	17 675	17 699	17 596	17 580	17 797	17 889	17 813	17 870	17 904	17 658
1984	18 033	18 396	18 662	19 042	19 108	19 371	19 613	19 768	19 771	19 662	19 504	19 035
1985	18 841	19 415	19 329	19 375	19 277	19 200	19 231	19 223	19 974	19 020	19 009	18 775
1986	18 558	18 724	18 470	18 586	18 483	18 491	18 606	18 872	18 411	18 486	18 379	18 061
1987	18 397	18 633	18 840	18 884	18 997	18 938	19 088	19 432	19 307	19 266	19 344	18 964
1988	19 217	19 701	19 833	20 088	20 324	20 465	20 742	21 091	21 082	20 916	20 840	20 603
1989	21 125	21 617	21 825	21 967	22 172	22 435	22 590	22 533	22 392	22 126	22 048	21 285
1990	21 797	22 209	22 425	22 457	22 594	22 520	22 987	23 124	23 165	23 282	23 272	22 570
1991	22 892	23 270	23 241	23 119	22 786	22 595	22 508	22 479	22 299	22 223	22 054	21 484
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	18 787	18 797	19 015	18 762	18 480	18 528	18 557	18 529	18 421	18 428	18 311	18 068
1983	17 954	17 883	17 588	17 486	17 503	17 534	17 641	17 758	17 844	17 959	18 031	18 101
1984	18 188	18 339	18 605	18 859	19 037	19 322	19 400	19 560	19 748	19 715	19 605	19 515
1985	19 046	19 412	19 291	19 221	19 203	19 149	19 008	18 987	18 909	19 036	19 079	19 247
1986	18 787	18 745	18 443	18 470	18 428	18 441	18 571	18 594	18 295	18 488	18 469	18 562
1987	18 692	18 693	18 835	18 784	18 917	18 854	18 936	19 124	19 154	19 257	19 426	19 529
1988	19 545	19 758	19 821	20 001	20 218	20 347	20 433	20 738	20 908	20 918	20 942	21 251
1989	21 507	21 665	21 767	21 874	22 061	22 320	22 292	22 212	22 241	22 128	22 147	21 952
1990	22 180	22 229	22 349	22 360	22 478	22 396	22 681	22 800	23 016	23 268	23 359	23 263
1991	23 295	23 266	23 140	23 008	22 676	22 474	22 226	22 197	22 174	22 216	22 145	22 132
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	.1	1.2	—1.3	—1.5	.3	.2	—2	—6	—	—6	—1.3
1983	—6	—4	—1.6	—6	.1	.2	.6	.7	.5	.6	.4	—
1984	.5	.8	1.5	1.4	.9	1.5	.4	.8	1.0	—2	—6	—5
1985	—2.4	1.9	—6	—4	—1	—3	—7	—1	—4	.7	.2	.9
1986	—2.4	—2	—1.6	—1	—2	.1	.7	.1	—1.6	1.1	—1	.5
1987	.7	—	.8	—3	.7	—3	.4	1.0	.2	.5	.9	.5
1988	.1	1.1	.3	.9	1.1	.6	.4	1.5	.8	—	.1	1.5
1989	1.2	.7	.5	.5	.9	1.2	—1	—4	.1	—5	.1	—9
1990	1.0	.2	.5	—	.5	—4	1.3	.5	.9	1.1	.4	—4
1991	.1	—1	—5	—6	—1.4	—9	—1.1	—1	—1	.2	—3	—1

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CONSTRUCTION MATERIALS AND SUPPLIES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	20 185	20 291	20 169	19 920	19 753	19 506	19 110	18 994	18 737	18 563	18 284	18 190
1983 ---	18 131	18 558	18 633	18 732	18 710	18 836	18 844	18 917	18 940	18 904	18 889	18 915
1984 ---	19 130	19 652	19 938	20 198	20 354	20 441	20 366	20 369	20 313	20 360	20 316	20 144
1985 ---	20 266	20 613	20 825	20 709	20 704	20 871	20 460	20 324	20 187	19 855	20 019	20 189
1986 ---	20 079	20 642	20 657	20 743	20 622	20 415	20 144	20 103	19 812	19 682	19 787	20 005
1987 ---	20 299	20 406	20 677	20 806	20 901	20 809	20 522	20 514	20 394	20 300	20 514	20 812
1988 ---	21 497	22 017	22 073	22 312	22 467	22 350	22 448	22 320	22 313	22 418	22 495	22 519
1989 ---	22 945	23 039	23 149	23 282	23 677	23 473	23 673	23 398	23 073	23 053	22 989	22 824
1990 ---	23 336	23 503	23 433	23 537	23 462	23 270	23 221	23 329	23 329	23 477	23 316	23 192
1991 ---	23 556	23 820	23 507	23 291	23 024	22 906	22 793	22 633	22 380	22 305	22 333	22 074
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	20 322	19 999	19 736	19 522	19 404	19 247	19 076	19 065	18 984	18 916	18 733	18 578
1983 ---	18 263	18 311	18 255	18 376	18 398	18 589	18 819	18 980	19 176	19 235	19 308	19 308
1984 ---	19 270	19 424	19 574	19 832	20 021	20 157	20 339	20 429	20 555	20 696	20 725	20 552
1985 ---	20 404	20 400	20 480	20 333	20 354	20 582	20 442	20 405	20 444	20 186	20 410	20 575
1986 ---	20 174	20 435	20 337	20 384	20 274	20 149	20 131	20 187	20 070	20 012	20 155	20 363
1987 ---	20 331	20 177	20 373	20 469	20 555	20 588	20 526	20 628	20 668	20 626	20 866	21 159
1988 ---	21 479	21 749	21 784	21 993	22 120	22 172	22 460	22 436	22 610	22 735	22 842	22 880
1989 ---	22 898	22 735	22 883	22 975	23 335	23 350	23 685	23 514	23 375	23 324	23 289	23 172
1990 ---	23 275	23 172	23 188	23 270	23 168	23 198	23 226	23 398	23 625	23 725	23 581	23 529
1991 ---	23 490	23 459	23 277	23 038	22 738	22 853	22 786	22 736	22 675	22 536	22 591	22 392
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.6	-1.3	-1.1	-6	-8	-9	-1	-4	-4	-1.0	-8
1983 ---	-1.7	.3	-.3	.7	.1	1.0	1.2	.9	1.0	.3	.4	-
1984 ---	-.2	.8	.8	1.3	1.0	.7	.9	.4	.6	.7	.1	-8
1985 ---	-.7	-.4	-.4	-.7	.1	1.1	-.7	-.2	.2	-1.3	1.1	.8
1986 ---	-1.9	1.3	-.5	.2	-.5	-.6	-.1	.3	-.6	-.3	.7	1.0
1987 ---	-.2	-.8	1.0	.5	.4	.2	-.3	.5	.2	-.2	1.2	1.4
1988 ---	1.5	1.3	.2	1.0	.6	.2	1.3	-.1	.8	.6	.5	-.5
1989 ---	.1	-.7	.7	.4	1.6	.1	1.4	-.7	-.6	-.2	-.2	-.5
1990 ---	-.4	-.4	.1	.4	-.4	.1	.1	.7	1.0	.4	-.6	-.2
1991 ---	-.2	-.1	-.8	-1.0	-1.3	.5	-.3	-.2	-.3	-.6	.2	-.9
<b>DEFENSE PRODUCTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 669	15 050	15 410	15 565	15 712	15 909	15 874	15 947	16 035	16 282	16 610	16 945
1983 ---	17 518	17 689	18 181	18 142	18 654	18 786	18 828	19 077	18 477	18 295	18 480	18 971
1984 ---	18 856	19 621	20 430	20 618	21 362	21 959	22 711	23 113	23 756	24 218	24 260	24 050
1985 ---	24 812	25 653	26 070	26 391	26 718	27 341	27 915	28 116	28 363	28 425	28 376	28 155
1986 ---	28 480	28 438	29 477	29 680	30 104	30 241	30 185	29 936	30 076	30 001	29 611	28 689
1987 ---	29 084	29 619	29 874	30 260	30 553	30 536	31 123	31 342	31 452	31 900	32 143	31 209
1988 ---	31 467	32 036	32 408	32 390	33 175	33 538	33 475	32 195	32 883	33 322	32 823	33 446
1989 ---	34 250	34 661	35 617	35 666	36 273	36 254	36 961	37 122	36 644	37 252	37 109	35 782
1990 ---	36 613	37 570	38 048	38 462	39 075	36 676	38 948	39 822	38 770	39 075	39 349	36 333
1991 ---	35 725	36 476	36 428	36 461	36 344	35 945	36 143	35 602	35 724	35 474	34 721	32 874
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 801	14 988	15 164	15 441	15 478	15 688	15 702	15 953	16 160	16 497	16 868	17 273
1983 ---	17 736	17 654	17 897	18 020	18 389	18 523	18 604	18 039	18 539	18 449	18 761	19 395
1984 ---	19 158	19 638	20 179	20 512	21 073	21 672	22 417	23 005	23 732	24 295	24 567	24 947
1985 ---	25 268	25 749	25 839	26 293	26 389	27 041	27 543	27 933	28 259	28 377	28 643	28 897
1986 ---	29 030	28 601	29 313	29 580	29 756	29 977	29 765	29 686	29 943	29 860	29 796	29 492
1987 ---	29 664	29 817	29 754	30 161	30 211	30 327	30 697	31 047	31 312	31 663	32 256	32 159
1988 ---	32 107	32 268	32 310	32 286	32 810	33 363	33 021	31 847	32 745	32 993	32 856	34 515
1989 ---	34 973	34 932	35 523	35 569	35 870	36 105	36 471	36 669	36 504	36 828	37 097	36 974
1990 ---	37 405	37 899	37 959	38 377	38 656	38 560	38 427	38 885	38 602	38 569	39 300	37 569
1991 ---	36 504	36 795	36 353	36 384	35 968	35 840	35 660	35 140	35 550	35 017	34 665	34 013
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.3	1.2	1.8	.2	1.4	.1	1.6	1.3	2.1	2.2	2.4
1983 ---	2.7	-.5	1.4	.7	2.0	.7	.4	2.3	-2.6	-.5	1.7	3.4
1984 ---	-1.2	2.5	2.8	1.7	2.7	2.8	3.4	2.6	3.2	2.4	1.1	1.5
1985 ---	1.3	1.9	.3	1.8	.4	2.5	1.9	1.4	1.2	.4	.9	-.9
1986 ---	.5	-1.5	2.5	.9	.6	.7	-.7	-.3	.9	-.3	-.2	-1.0
1987 ---	.6	.5	-.2	1.4	.2	.4	1.2	1.1	.9	1.1	1.9	-.3
1988 ---	-.2	.5	.1	-.1	1.6	1.7	-1.0	-3.6	2.8	.8	-.4	5.0
1989 ---	1.3	-.1	1.7	.1	.8	.7	1.0	.5	-.4	.9	.7	-.3
1990 ---	1.2	1.3	.2	1.1	.7	-.2	-.3	1.2	1.2	-.7	1.8	-4.4
1991 ---	-2.8	.8	-1.2	.1	-1.1	-.4	-.5	-1.5	-.7	-1.5	-1.0	-1.9

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>OTHER MATERIALS, SUPPLIES, AND INTERMEDIATE PRODUCTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	114 930	115 282	114 578	114 426	113 067	111 541	110 767	109 719	108 137	107 922	106 880	105 416
1983 ---	105 449	105 790	104 725	105 844	105 842	104 975	105 079	105 548	104 888	105 839	106 940	106 784
1984 ---	107 426	109 565	111 077	112 460	114 110	114 963	115 279	116 043	115 520	115 598	115 116	114 365
1985 ---	114 223	114 811	115 530	115 519	114 865	114 617	113 470	112 920	112 050	111 810	111 304	110 747
1986 ---	111 232	111 613	111 679	111 768	111 183	110 482	109 923	108 728	107 784	107 306	107 390	107 750
1987 ---	108 644	109 158	109 168	109 715	109 991	109 143	109 729	110 583	110 733	111 227	112 376	112 954
1988 ---	115 146	116 568	116 883	117 888	118 855	118 433	119 377	120 545	120 885	121 644	123 237	124 069
1989 ---	127 542	128 540	129 479	130 322	130 703	129 537	131 284	131 752	130 301	130 483	130 743	129 158
1990 ---	131 148	131 666	130 387	131 026	131 060	129 729	131 430	131 268	131 276	132 006	132 648	131 874
1991 ---	134 022	134 195	132 783	132 495	130 790	128 696	128 244	127 542	126 750	126 584	126 953	125 361
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	114 911	114 446	113 558	112 914	111 651	110 977	110 498	110 048	109 613	109 167	107 938	106 621
1983 ---	105 501	105 099	103 804	104 517	104 624	104 432	104 851	105 801	106 185	106 844	107 851	107 996
1984 ---	107 489	108 951	110 203	111 217	112 986	114 423	115 074	116 127	116 594	116 585	116 043	115 692
1985 ---	114 357	114 261	114 700	114 377	113 794	114 108	113 308	112 984	112 984	112 729	112 139	111 961
1986 ---	111 218	111 042	110 909	110 777	110 245	110 157	109 831	108 773	108 597	108 200	108 167	108 835
1987 ---	108 476	108 491	108 421	108 809	109 159	109 075	109 695	110 680	111 595	112 149	113 063	113 974
1988 ---	114 757	115 703	116 147	116 973	118 054	118 662	119 435	120 716	121 818	122 591	123 810	125 009
1989 ---	126 950	127 443	128 697	129 365	129 928	130 044	131 374	131 923	131 281	131 446	131 268	130 081
1990 ---	130 510	130 521	129 709	130 129	130 390	130 424	131 533	131 451	132 261	132 880	133 028	132 718
1991 ---	133 306	132 900	132 057	131 577	130 211	129 505	128 375	127 746	127 733	127 404	127 285	126 107
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-4	-8	-6	-1.1	-6	-4	-4	-4	-4	-1.1	-1.2
1983 ---	-1.1	-4	-1.2	.7	.1	-2	.4	.9	.4	.6	.9	.1
1984 ---	-5	1.4	1.1	.9	1.6	1.3	.6	.9	.4	-	-5	-3
1985 ---	-1.2	-1	.4	-3	-5	.3	-7	-3	-	-2	-5	-2
1986 ---	-7	-2	-1	-1	-5	-1	-3	-1.0	-2	-4	-	.6
1987 ---	-3	-	-1	.4	.3	-1	.6	.9	.8	.5	.8	.8
1988 ---	.7	.8	.4	.7	.9	.5	.7	1.1	.9	.6	1.0	1.0
1989 ---	1.6	.4	1.0	.5	.4	.1	1.0	.4	-5	.1	-1	-9
1990 ---	.3	-	-6	.3	.2	-	.9	-1	.6	.5	.1	-2
1991 ---	.4	-3	-6	-4	-1.0	-5	-9	-5	-	-3	-1	-9
<b>NONDEFENSE CAPITAL GOODS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	73 746	74 976	75 130	76 266	76 280	75 590	75 533	75 457	74 469	74 792	74 109	72 297
1983 ---	71 561	71 919	70 377	70 339	70 426	68 961	68 388	68 075	68 003	68 710	68 252	66 963
1984 ---	67 657	68 749	69 603	70 874	71 811	71 671	72 631	73 668	75 262	75 274	73 810	73 910
1985 ---	75 349	76 021	75 285	75 883	76 225	75 241	74 946	74 546	73 786	73 105	72 499	70 045
1986 ---	70 520	71 002	70 731	70 530	70 621	69 572	69 421	69 486	69 104	69 224	68 817	65 940
1987 ---	67 075	67 486	66 858	67 698	67 922	67 294	67 350	67 934	66 927	67 844	68 294	66 977
1988 ---	68 552	70 061	70 439	71 740	72 505	72 125	73 017	73 809	74 646	75 634	74 682	73 732
1989 ---	77 097	79 360	79 046	80 512	81 579	81 832	83 133	83 835	83 205	84 187	84 976	83 463
1990 ---	85 503	86 327	85 386	86 820	87 621	85 782	87 289	87 143	86 573	87 630	87 989	85 035
1991 ---	87 242	88 402	87 864	88 959	88 763	86 742	87 385	87 347	86 017	86 169	85 930	83 195
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	74 059	74 474	74 647	75 423	75 367	75 506	75 531	75 544	75 013	74 888	74 151	73 732
1983 ---	71 966	71 524	70 070	69 654	69 617	68 915	68 343	67 986	68 341	68 625	68 231	68 396
1984 ---	68 167	68 467	69 455	70 275	70 987	71 630	72 540	73 833	73 909	75 052	75 195	75 436
1985 ---	75 999	75 782	75 232	75 287	75 388	75 182	74 798	74 200	73 999	72 870	72 391	71 677
1986 ---	71 155	70 784	70 796	70 005	69 871	69 490	69 215	69 087	69 301	68 977	68 696	67 564
1987 ---	67 704	67 263	66 967	67 163	67 190	67 218	67 060	67 491	67 179	67 624	68 181	68 713
1988 ---	69 206	69 761	70 576	71 147	71 692	72 093	72 646	73 900	74 144	74 426	75 503	76 597
1989 ---	77 840	79 008	79 203	79 799	80 622	81 877	82 672	83 256	83 700	83 966	84 866	85 580
1990 ---	86 267	85 901	85 521	86 011	86 547	85 887	86 760	86 517	87 117	87 439	87 908	87 194
1991 ---	87 997	87 983	87 954	88 113	87 669	86 877	86 834	86 795	86 628	85 988	85 880	85 357
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.6	.2	1.0	-.1	.2	-	-	-.7	-.2	-1.0	-.6
1983 ---	-2.4	-.6	-2.0	-.6	-.1	-1.0	-.8	-.5	.5	.4	-.6	.2
1984 ---	-.3	.4	1.4	1.2	1.0	.9	1.3	1.8	1	1.5	.2	.3
1985 ---	.7	-.3	-.7	.1	.1	-.3	-.5	-.8	-.3	-1.5	-.7	-1.0
1986 ---	-.7	-.5	-	-1.1	-.2	-.5	-.4	-.2	-.3	-.5	-.4	-1.6
1987 ---	.2	-.7	-.4	.3	-	-	-.2	.6	-.5	.7	.8	.8
1988 ---	.7	.8	1.2	.8	.8	.6	.8	1.7	.3	.4	1.4	1.4
1989 ---	1.6	1.5	.2	.8	1.0	1.6	1.0	.7	.5	.3	1.1	.8
1990 ---	.8	-.4	-.4	.6	.6	-.8	1.0	-.3	.7	.4	.5	-.8
1991 ---	.9	-	-	.2	-.5	-.9	-	-	-.2	-.7	-.1	-.6

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDEFENSE CAPITAL GOODS, EXCLUDING AIRCRAFT—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	58 758	59 595	59 673	60 346	60 464	59 661	59 266	58 776	57 632	57 696	56 981	55 269
1983 ---	55 301	55 569	54 938	54 979	55 293	54 548	53 915	53 685	53 167	53 503	53 517	52 729
1984 ---	53 225	54 159	54 802	55 858	56 749	56 838	57 479	58 480	58 115	59 379	59 451	58 446
1985 ---	59 734	60 470	59 742	60 289	60 455	59 701	59 443	58 997	58 079	57 657	56 768	55 239
1986 ---	55 504	55 427	55 007	54 726	54 782	53 620	53 339	53 041	52 264	52 089	51 798	49 742
1987 ---	50 311	51 011	50 738	51 608	51 723	51 155	51 158	51 309	50 324	50 952	51 303	50 540
1988 ---	51 640	52 749	52 936	53 751	54 444	54 152	54 695	55 462	55 392	56 075	56 472	55 306
1989 ---	57 053	58 313	57 986	58 804	59 326	59 127	59 770	60 112	59 327	59 931	60 239	58 029
1990 ---	59 529	60 413	59 351	60 230	60 619	59 145	59 857	60 173	59 368	59 508	59 429	56 940
1991 ---	58 060	58 977	58 153	58 954	58 953	57 255	57 578	57 318	56 371	56 298	56 078	53 983
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	59 043	59 191	59 180	59 481	59 415	59 213	59 151	58 891	58 265	58 161	57 421	56 451
1983 ---	55 642	55 239	54 586	54 272	54 385	54 207	53 768	53 652	53 637	53 762	53 819	53 902
1984 ---	53 627	53 911	54 578	55 227	55 876	56 527	57 272	58 312	58 527	59 529	59 703	59 744
1985 ---	60 245	60 275	59 606	59 663	59 596	59 416	59 183	58 749	58 449	57 746	56 935	56 510
1986 ---	55 983	55 273	54 985	54 180	54 053	53 394	53 078	52 766	52 574	52 144	51 892	50 969
1987 ---	50 743	50 862	50 759	51 089	51 054	50 997	50 879	50 989	50 605	50 975	51 346	51 851
1988 ---	52 090	52 561	52 998	53 214	53 738	54 065	54 385	55 048	55 668	56 056	56 453	56 750
1989 ---	57 575	58 113	58 111	58 228	58 541	59 116	59 434	59 634	59 605	59 892	60 193	59 578
1990 ---	60 050	60 168	59 497	59 659	59 795	59 189	59 520	59 637	59 575	59 437	59 363	58 513
1991 ---	58 580	58 762	58 314	58 425	58 153	57 318	57 272	56 822	56 546	56 197	56 011	55 571
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.3	—	.5	-.1	-.3	-.1	-.4	-1.1	-.2	-1.3	-1.7
1983 ---	-1.4	-.7	-1.2	-.6	-.2	-.3	-.8	-.2	—	.2	.1	.2
1984 ---	-.5	.5	1.2	1.2	1.2	1.2	1.3	1.8	.4	1.7	.3	.1
1985 ---	-.8	—	-1.1	-.1	-.1	-.3	-.4	-.7	-.5	-1.2	-1.4	-.7
1986 ---	-.9	-1.3	-.5	-1.5	-.2	-1.2	-.6	-.6	-.4	-.8	-.5	-1.8
1987 ---	-4.4	-.2	-.2	.7	-.1	-.1	-.2	.2	-.8	.7	.7	1.0
1988 ---	.5	.9	.8	.4	1.0	.6	.6	1.2	1.1	.7	.7	.5
1989 ---	1.5	.9	—	.2	.5	1.0	.5	.3	—	.5	.5	-1.0
1990 ---	.8	.2	-1.1	.3	-.2	-1.0	.6	.2	-.1	-.2	-.1	-1.4
1991 ---	.1	.3	-.8	.2	-.5	-1.4	-.1	-.8	-.5	-.6	-.3	-.8
<b>DEFENSE CAPITAL GOODS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	15 973	16 378	16 723	16 877	17 080	17 250	17 317	17 443	17 628	17 927	18 217	18 360
1983 ---	18 969	19 294	19 790	19 778	20 410	20 582	20 562	20 886	20 384	20 104	20 266	20 535
1984 ---	20 401	21 283	22 303	22 537	23 409	24 004	24 897	25 327	26 036	26 398	26 324	26 343
1985 ---	26 859	27 761	28 232	28 528	28 756	29 516	30 107	30 364	30 683	30 689	30 503	30 109
1986 ---	30 509	30 554	31 776	31 938	32 336	32 479	32 400	32 180	32 320	32 215	31 667	30 470
1987 ---	30 974	31 635	31 875	32 363	32 687	32 677	33 399	33 656	33 762	34 248	34 472	33 275
1988 ---	33 579	34 267	34 620	34 687	35 613	35 952	35 989	34 795	35 455	35 913	35 404	35 788
1989 ---	36 602	37 154	38 251	38 270	39 144	38 976	39 711	39 986	39 248	40 099	39 987	38 398
1990 ---	39 267	40 286	40 770	41 216	41 767	41 310	41 672	42 170	41 541	41 852	42 072	38 758
1991 ---	38 260	39 095	39 082	39 171	38 971	38 627	38 603	37 899	38 355	38 069	37 208	34 888
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 175	16 351	16 445	16 731	16 793	17 005	17 090	17 401	17 701	18 118	18 509	18 856
1983 ---	19 275	19 307	19 472	19 641	20 091	20 273	20 280	20 784	20 356	20 211	20 580	21 146
1984 ---	20 819	21 356	22 028	22 423	23 067	23 680	24 539	25 132	25 887	26 409	26 656	27 156
1985 ---	27 477	27 933	27 987	28 429	28 384	29 186	29 669	30 075	30 438	30 553	30 785	31 066
1986 ---	31 230	30 798	31 610	31 839	31 947	32 188	31 912	31 816	32 065	31 988	31 851	31 465
1987 ---	31 715	31 909	31 754	32 263	32 309	32 450	32 905	33 243	33 519	33 921	34 567	34 430
1988 ---	34 391	34 569	34 528	34 575	35 212	35 764	35 475	34 325	35 223	35 488	35 389	37 083
1989 ---	37 500	37 489	38 166	38 158	38 701	38 820	39 171	39 410	39 025	39 574	39 905	39 832
1990 ---	40 240	40 670	40 690	41 111	41 318	41 193	41 118	41 559	41 289	41 261	41 939	40 228
1991 ---	39 213	39 459	39 013	39 075	38 570	38 521	38 099	37 340	38 102	37 512	37 071	36 230
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.1	.6	1.7	.4	1.3	.5	1.8	1.7	2.4	2.2	1.9
1983 ---	2.2	.2	.9	.9	2.3	.9	—	2.5	-2.1	-.7	1.8	2.8
1984 ---	-1.5	2.6	3.1	1.8	2.9	2.7	3.6	2.4	3.0	2.0	.9	1.9
1985 ---	1.2	1.7	.2	1.6	-.2	2.8	1.7	1.4	1.2	.4	.8	.9
1986 ---	.5	-1.4	2.6	.7	.3	.8	-.9	-.3	.8	-.2	-.4	-1.2
1987 ---	.8	.6	-.5	1.6	.1	.4	1.4	1.0	.8	1.2	1.9	-.4
1988 ---	-.1	.5	-.1	.1	1.8	1.6	-.8	-3.2	2.6	.8	-.3	4.8
1989 ---	1.1	—	1.8	—	1.4	.3	.9	.6	-1.0	1.4	.8	-.2
1990 ---	1.0	1.1	—	1.0	.5	-.3	-.2	1.1	-.6	-.1	1.6	-4.1
1991 ---	-2.5	.6	-1.1	.2	-1.3	-.1	-1.1	-2.0	2.0	-1.5	-1.2	-2.3

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLES, EXCLUDING CAPITAL GOODS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	117 593	118 194	117 413	116 654	115 927	114 843	113 308	112 579	111 026	109 797	107 494	106 006
1983 ---	105 811	106 639	105 716	106 951	107 423	106 922	106 432	107 600	107 000	107 120	108 096	108 504
1984 ---	109 685	112 050	113 373	114 910	116 219	116 548	116 373	117 834	117 782	117 706	117 336	116 896
1985 ---	117 794	118 628	119 224	119 065	118 202	117 926	116 601	116 662	115 476	114 903	114 343	113 824
1986 ---	114 226	115 224	114 952	115 396	115 295	114 239	113 474	113 026	111 851	111 187	111 342	111 455
1987 ---	112 679	113 329	113 843	114 034	114 658	113 657	113 382	113 929	114 331	114 394	115 312	116 091
1988 ---	118 916	120 839	120 758	121 311	122 431	121 535	122 312	123 548	123 756	124 103	125 481	126 050
1989 ---	129 497	130 717	131 315	132 242	132 895	131 458	133 028	133 196	131 663	131 396	131 315	128 872
1990 ---	132 318	132 778	131 639	132 479	132 754	130 959	131 756	132 358	131 645	131 695	132 186	130 715
1991 ---	132 512	133 315	131 220	130 373	128 791	127 062	126 357	126 429	125 754	125 384	125 693	123 832
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	118 059	117 254	116 098	115 038	114 169	113 849	113 235	112 450	111 958	111 241	109 285	107 835
1983 ---	106 206	105 803	104 579	105 526	105 926	106 090	106 462	107 477	107 697	108 271	109 705	110 289
1984 ---	110 031	111 215	112 302	113 533	114 764	115 791	116 474	117 649	118 438	118 816	118 900	118 712
1985 ---	118 115	117 789	118 190	117 725	116 758	117 266	116 757	116 572	116 143	115 707	115 719	115 468
1986 ---	114 338	114 360	113 994	114 234	113 971	113 762	113 656	113 013	112 551	112 449	112 567	112 978
1987 ---	112 578	112 368	112 890	112 965	113 406	113 407	113 579	113 929	115 097	115 463	116 421	117 643
1988 ---	118 600	119 686	119 834	120 299	121 199	121 515	122 522	123 597	124 586	125 173	126 460	127 676
1989 ---	129 055	129 370	130 415	131 231	131 675	133 271	133 232	132 572	132 433	132 128	130 499	130 499
1990 ---	131 835	131 343	130 830	131 557	131 668	131 300	131 953	132 363	132 537	132 660	132 848	132 324
1991 ---	131 998	131 753	130 440	129 505	127 860	127 521	126 526	126 385	126 589	126 238	126 251	125 379
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-7	-1.0	-9	-8	-3	-5	-7	-4	-6	-1.8	-1.3
1983 ---	-1.5	-4	-1.2	.9	.4	.2	.4	1.0	.2	.5	1.3	.5
1984 ---	-2	1.1	1.0	1.1	1.1	.9	.6	1.0	.7	.3	.1	-2
1985 ---	-5	-3	.3	-4	-8	.4	-4	-2	-4	-1	-2	-2
1986 ---	-1.0	-	-3	.2	-2	-2	-1	-3	-4	-3	.8	.4
1987 ---	-4	-2	.5	.1	.4	.7	.2	.3	1.0	.3	.8	1.0
1988 ---	.8	.9	.1	.4	.7	.3	.8	.9	.8	.5	1.0	1.0
1989 ---	1.1	.2	.8	.6	.3	.3	1.2	.5	-5	-1	-2	-1.2
1990 ---	1.0	-4	-4	.6	.1	-3	.5	.3	.1	.1	.1	-4
1991 ---	-2	-2	-1.0	-7	-1.3	-3	-8	-1	.2	-3	-	-7
<b>PRODUCERS' DURABLE EQUIPMENT—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	128 927	130 324	130 303	131 134	130 976	130 153	129 094	128 908	127 275	126 880	124 670	122 079
1983 ---	121 189	121 975	120 269	120 889	121 244	119 688	118 658	119 550	119 745	120 434	120 476	119 382
1984 ---	121 083	123 365	124 937	126 947	128 414	128 601	129 377	132 036	131 832	133 905	133 574	131 715
1985 ---	134 164	135 432	134 758	135 396	134 771	133 408	132 413	132 707	131 262	130 852	129 562	126 799
1986 ---	127 664	128 425	127 507	127 241	127 023	124 967	124 517	124 462	123 514	123 590	122 956	119 813
1987 ---	121 667	122 737	122 477	123 261	123 787	122 452	122 313	123 055	122 583	123 593	124 130	123 160
1988 ---	126 223	128 593	128 792	130 098	131 421	130 646	131 296	133 818	133 175	134 031	135 770	135 395
1989 ---	139 431	142 295	142 406	143 801	144 821	144 107	146 054	146 886	145 095	146 089	146 639	143 306
1990 ---	147 984	148 475	147 323	148 969	149 795	146 459	148 175	148 644	147 364	148 623	149 287	145 394
1991 ---	148 189	150 315	148 701	149 176	148 210	145 205	145 062	145 293	144 215	144 419	144 714	140 951
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	129 268	129 162	128 952	129 332	129 170	129 612	129 396	128 947	128 161	127 671	125 731	124 640
1983 ---	121 624	121 032	119 270	119 404	119 744	119 336	118 928	119 413	120 319	120 823	121 341	121 865
1984 ---	121 591	122 516	124 116	125 548	126 929	128 368	129 666	131 760	132 311	134 101	134 347	134 399
1985 ---	134 810	134 623	134 045	134 030	133 289	133 274	132 641	132 355	131 707	130 944	130 152	129 387
1986 ---	128 221	127 662	126 960	126 058	125 678	124 895	124 645	124 098	123 976	123 717	123 457	122 324
1987 ---	122 113	121 948	121 957	122 115	122 462	122 471	122 335	122 664	123 172	123 795	124 578	125 807
1988 ---	126 588	127 607	128 261	128 907	129 993	130 793	131 239	133 380	133 927	134 307	136 143	138 338
1989 ---	139 811	141 122	141 856	142 467	143 228	144 388	145 945	146 419	146 104	146 415	146 952	146 449
1990 ---	148 359	147 164	146 723	147 548	148 124	146 818	147 989	148 151	148 448	148 987	149 540	148 581
1991 ---	148 495	148 938	148 069	147 777	146 624	145 651	144 829	144 845	145 355	144 742	144 957	144 098
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-2	.3	-1	.3	-2	-3	-6	-4	-1.5	-9
1983 ---	-2.4	-5	-1.5	.1	.3	-.3	-.3	.4	.8	.4	.4	-.4
1984 ---	-2	.8	1.3	1.2	1.1	1.1	1.0	1.6	.4	1.4	.2	-.1
1985 ---	.3	-1	-.4	-.6	-.6	-.6	-.5	-.2	-.5	-.6	-.6	-.6
1986 ---	-.9	-.4	-.5	-.7	-.3	-.6	-.2	-.4	-.1	-.2	-.2	-.9
1987 ---	-2	-1	-.1	-.1	-.3	-.1	-.1	.3	.4	.5	.6	1.0
1988 ---	.6	.8	.5	.5	.8	.6	.3	1.6	.4	.3	1.4	1.6
1989 ---	1.1	.9	.5	.4	.5	.8	1.1	.3	-.2	.2	.4	-.3
1990 ---	1.3	-.8	-.3	.6	.4	-.9	.8	1	.2	.4	.4	-.6
1991 ---	-.1	.3	-.6	-.2	-.8	-.7	-.6	-.1	.4	-.4	.1	-.6

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HOUSEHOLD DURABLE GOODS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 509	11 668	11 560	11 694	11 787	11 775	11 707	11 515	11 198	10 936	10 634	10 571
1983 ---	10 737	10 777	10 651	10 856	11 008	11 012	10 715	10 676	10 464	10 361	10 174	10 482
1984 ---	10 645	10 839	11 111	11 515	11 727	11 766	11 809	11 910	11 774	11 781	11 566	11 844
1985 ---	12 286	12 316	12 348	12 474	12 499	12 417	12 386	12 322	11 809	11 603	11 392	11 298
1986 ---	11 378	11 409	11 437	11 805	11 808	11 856	11 809	11 609	11 123	11 023	10 848	10 932
1987 ---	11 334	11 568	11 633	11 867	12 189	12 088	12 215	11 985	11 801	11 815	11 643	11 749
1988 ---	12 155	12 448	12 368	12 459	12 747	12 725	12 820	12 685	12 365	12 316	12 262	12 416
1989 ---	12 901	13 012	13 067	13 336	13 532	13 321	13 491	13 588	13 299	13 207	13 018	12 832
1990 ---	13 381	13 540	13 628	13 893	14 105	13 901	13 730	13 739	13 465	13 295	13 035	12 756
1991 ---	13 067	13 179	12 801	12 773	12 853	12 700	12 502	12 426	12 430	12 300	12 277	12 218
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	11 613	11 625	11 465	11 423	11 375	11 457	11 503	11 379	11 376	11 259	11 121	10 924
1983 ---	10 820	10 737	10 574	10 608	10 647	10 723	10 514	10 545	10 608	10 630	10 629	10 844
1984 ---	10 731	10 818	11 055	11 256	11 344	11 457	11 551	11 756	11 935	12 067	12 091	12 270
1985 ---	12 409	12 311	12 315	12 209	12 103	12 088	12 084	12 156	11 963	11 867	11 898	11 710
1986 ---	11 486	11 404	11 418	11 563	11 435	11 548	11 518	11 447	11 282	11 271	11 315	11 331
1987 ---	11 426	11 545	11 608	11 635	11 825	11 799	11 913	11 813	11 956	12 064	12 114	12 194
1988 ---	12 250	12 408	12 342	12 232	12 367	12 441	12 534	12 534	12 513	12 557	12 714	12 898
1989 ---	12 985	12 954	13 038	13 099	13 128	13 037	13 226	13 453	13 450	13 467	13 463	13 352
1990 ---	13 454	13 469	13 596	13 655	13 691	13 615	13 485	13 610	13 589	13 539	13 450	13 277
1991 ---	13 121	13 113	12 779	12 569	12 497	12 450	12 293	12 308	12 523	12 512	12 654	12 714
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.1	-1.4	-4	-4	.7	.4	-1.1	-	-1.0	-1.2	-1.8
1983 ---	-1.0	-8	-1.5	.3	.4	.7	-1.9	.3	.6	.2	-	2.0
1984 ---	-1.0	.8	2.2	1.8	.8	1.0	.8	1.8	1.5	1.1	.2	1.5
1985 ---	1.1	-8	-	-9	-9	-1	-	.6	-1.6	-8	.3	-1.6
1986 ---	-1.9	-7	.1	1.3	-1.1	1.0	-3	-6	-1.4	-1	.4	.7
1987 ---	.8	1.0	.5	.2	1.6	-2	1.0	-8	1.2	.9	.4	1.4
1988 ---	.5	1.3	-5	-9	1.1	.6	.7	-	-2	.4	1.3	-8
1989 ---	.7	-2	.6	.5	.2	-7	1.4	1.7	-	.1	-	-1.3
1990 ---	.8	-1	.9	.4	.3	-6	-1.0	.9	-2	-4	-7	-1.3
1991 ---	-1.2	-1	-2.5	-1.6	-6	-4	-1.3	.1	1.7	-1	1.1	.5
<b>INFORMATION TECHNOLOGY INDUSTRIES—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	24 740	25 095	25 109	25 331	25 465	25 371	25 413	25 383	25 214	25 204	25 069	24 207
1983 ---	24 505	24 778	24 818	25 170	25 575	25 498	25 685	25 888	25 743	25 872	25 989	25 930
1984 ---	25 880	26 614	27 234	27 886	28 625	28 940	29 723	30 184	29 933	30 766	30 793	30 708
1985 ---	31 145	31 624	31 521	32 016	31 861	31 589	31 633	31 334	30 839	30 693	30 110	29 235
1986 ---	29 102	29 065	28 902	28 917	28 936	28 109	27 957	27 733	26 977	26 865	26 484	25 540
1987 ---	25 693	26 007	25 731	26 166	26 610	26 231	26 384	26 621	26 129	26 407	26 526	26 251
1988 ---	26 694	27 314	27 289	27 842	28 444	28 167	28 644	29 222	28 974	29 440	29 625	29 072
1989 ---	29 642	30 235	30 116	30 565	30 818	30 414	31 307	31 557	31 004	31 519	32 023	30 388
1990 ---	30 867	31 203	30 753	31 403	31 727	30 597	31 316	31 695	30 964	31 056	30 931	29 089
1991 ---	29 529	29 889	29 283	29 808	29 877	28 717	29 400	29 175	28 610	28 656	28 613	27 582
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 001	25 102	25 015	25 047	25 062	25 148	25 190	25 198	25 294	25 302	25 268	24 837
1983 ---	24 812	24 822	24 793	24 925	25 200	25 309	25 426	25 656	25 805	25 900	26 157	26 589
1984 ---	26 247	26 696	27 273	27 639	28 217	28 745	29 396	29 856	29 991	30 728	30 934	31 448
1985 ---	31 628	31 752	31 645	31 770	31 428	31 420	31 277	30 948	30 909	30 608	30 196	29 934
1986 ---	29 551	29 180	29 072	28 710	28 545	27 996	27 655	27 366	27 049	26 776	26 500	26 158
1987 ---	26 076	26 092	25 900	25 994	26 252	26 197	26 120	26 242	26 200	26 294	26 459	26 887
1988 ---	27 085	27 384	27 511	27 688	28 058	28 229	28 371	28 769	29 043	29 291	29 458	29 776
1989 ---	30 074	30 311	30 401	30 423	30 390	30 571	31 006	31 037	31 057	31 331	31 755	31 126
1990 ---	31 322	31 297	31 065	31 292	31 292	30 823	31 007	31 168	30 993	30 848	30 625	29 788
1991 ---	29 968	30 008	29 584	29 717	29 477	28 956	29 113	28 693	28 623	28 448	28 311	28 242
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.4	-3	1	.1	.3	.2	-	.4	-	-1	-1.7
1983 ---	-1	-	-1	.5	1.1	.4	.5	.9	.6	.4	1.0	1.7
1984 ---	-1.3	1.7	2.2	1.3	2.1	1.9	2.3	1.6	.5	2.5	.7	1.7
1985 ---	.6	-4	-3	-4	-1.1	-	-5	-1.1	-	-1.0	-1.3	-9
1986 ---	-1.3	-1.3	-4	-1.2	-6	-1.9	-1.2	-1.0	-1.2	-1.0	-1.0	-1.3
1987 ---	-3	-1	-7	-4	1.0	-2	-3	.5	.2	.4	.6	1.6
1988 ---	.7	1.1	.5	.6	1.3	.6	.5	1.4	1.0	.9	.6	1.1
1989 ---	1.0	.8	.3	.7	.1	-1	1.4	.1	.9	.9	1.4	-2.0
1990 ---	.6	-1	-7	.7	-	-1.5	.6	.5	-6	-5	-7	-2.7
1991 ---	.6	1	-1.4	.4	-8	-1.8	.5	-1.4	-2	-6	-5	-2

See footnotes at end of table.



Table 4. **Manufacturers' Total Inventories and Percent Changes for Industry Categories and Topical Series, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>HEALTH CARE EQUIPMENT AND PRODUCTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 004	7 127	7 176	7 323	7 312	7 306	7 224	7 143	7 043	7 094	7 144	7 005
1983 ---	7 014	7 072	7 093	7 227	7 310	7 243	7 188	7 212	7 152	7 220	7 303	7 162
1984 ---	7 245	7 452	7 561	7 758	7 866	7 914	7 966	8 005	7 959	8 051	8 143	8 031
1985 ---	8 091	8 204	8 284	8 433	8 527	8 509	8 520	8 468	8 324	8 426	8 442	8 253
1986 ---	8 286	8 310	8 396	8 588	8 653	8 665	8 713	8 651	8 569	8 701	8 796	8 584
1987 ---	8 690	8 825	8 841	8 892	9 050	9 058	9 012	9 026	8 965	9 065	9 209	9 151
1988 ---	9 259	9 518	9 672	9 709	9 986	10 017	10 101	10 197	10 091	10 225	10 352	10 317
1989 ---	10 471	10 658	10 863	11 115	11 293	11 350	11 027	11 040	10 896	11 050	11 114	10 898
1990 ---	11 324	11 436	11 504	11 663	11 811	11 614	11 656	11 903	11 734	11 980	12 013	11 696
1991 ---	11 836	11 945	11 992	12 216	12 358	12 320	12 392	12 430	12 331	12 604	12 677	12 327
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 076	7 135	7 138	7 174	7 131	7 163	7 174	7 159	7 176	7 201	7 188	7 158
1983 ---	7 099	7 084	7 063	7 088	7 140	7 119	7 133	7 214	7 279	7 302	7 328	7 317
1984 ---	7 344	7 475	7 546	7 633	7 694	7 793	7 900	7 992	8 082	8 115	8 156	8 201
1985 ---	8 209	8 235	8 281	8 326	8 351	8 390	8 441	8 439	8 436	8 473	8 451	8 424
1986 ---	8 411	8 347	8 403	8 501	8 475	8 548	8 625	8 611	8 677	8 744	8 808	8 759
1987 ---	8 820	8 867	8 847	8 810	8 864	8 941	8 920	8 980	9 078	9 108	9 228	9 339
1988 ---	9 393	9 561	9 676	9 619	9 776	9 895	10 001	10 145	10 222	10 272	10 374	10 536
1989 ---	10 617	10 698	10 857	11 000	11 054	11 223	10 924	10 984	11 044	11 095	11 136	11 140
1990 ---	11 480	11 478	11 495	11 531	11 561	11 489	11 550	11 846	11 902	12 020	12 031	11 966
1991 ---	12 000	11 994	11 985	12 070	12 098	12 191	12 280	12 368	12 513	12 636	12 691	12 618
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.8	—	.5	-.6	.4	.2	-.2	.2	.3	-.2	-.4
1983 ---	-.8	-.2	-.3	.4	.7	-.3	.2	1.1	.9	.3	.4	-.2
1984 ---	.4	1.8	.9	1.2	.8	1.3	1.4	1.2	1.1	.4	.5	.6
1985 ---	.1	.3	.6	.5	.3	.5	.6	—	—	.4	-.3	-.3
1986 ---	-.2	-.8	.7	1.2	-.3	.9	.9	-.2	.8	.8	.7	-.6
1987 ---	.7	.5	-.2	-.4	.6	.9	-.2	.7	1.1	.3	1.3	1.2
1988 ---	.6	1.8	1.2	-.6	1.6	1.2	1.1	1.4	.8	.5	1.0	1.6
1989 ---	.8	.8	1.5	1.3	.5	1.5	-2.7	.5	.5	.5	.4	—
1990 ---	3.1	—	.1	.3	.3	-.6	.5	2.6	.5	1.0	.1	-.5
1991 ---	.3	-.1	-.1	.7	.2	.8	.7	.7	1.2	1.0	.4	-.6

Note: Data in this table may differ from annual data at the aggregate level shown in appendix D, tables 1 and 2 because of independent rounding.

— Represents no change. (X) Not applicable. (NA) Not available.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	322 919	325 331	324 537	324 986	322 409	319 146	318 074	317 268	313 950	314 238	312 131	307 212
1983 ---	307 778	308 985	305 120	306 442	307 204	305 033	304 861	306 710	306 225	308 543	309 523	307 675
1984 ---	311 119	316 992	320 656	325 102	329 659	330 517	332 630	336 829	336 935	339 333	338 241	334 236
1985 ---	336 951	340 119	339 613	340 890	340 327	338 647	337 010	336 831	334 192	333 999	332 810	329 555
1986 ---	330 531	331 841	330 764	331 574	330 800	327 739	326 877	325 804	322 492	322 611	321 941	317 567
1987 ---	322 481	324 967	324 762	326 934	328 721	326 502	327 613	330 402	329 605	332 073	334 327	332 619
1988 ---	338 994	344 212	345 254	348 535	352 230	351 492	353 966	356 696	356 455	359 176	361 431	361 477
1989 ---	370 102	374 796	376 349	380 618	383 582	382 135	386 903	388 610	384 884	386 967	387 555	380 480
1990 ---	389 788	393 029	391 003	394 034	396 105	390 994	395 713	397 851	397 745	400 659	401 279	392 493
1991 ---	398 266	401 218	397 090	398 181	395 138	389 428	389 375	389 161	387 889	388 727	387 971	379 926
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	322 905	322 519	321 868	321 265	318 685	318 308	318 620	318 043	316 692	316 304	313 995	311 834
1983 ---	308 028	306 612	302 918	303 284	304 003	304 391	305 308	307 094	308 482	309 887	311 132	312 362
1984 ---	311 638	314 938	318 846	322 212	326 497	329 865	332 774	336 535	338 655	340 355	339 895	339 492
1985 ---	337 946	338 386	338 070	338 170	337 186	338 016	336 939	336 201	335 629	334 715	334 252	334 801
1986 ---	331 510	330 312	329 600	329 182	327 886	327 299	326 582	324 862	323 714	323 217	323 323	322 699
1987 ---	323 386	323 460	323 780	324 671	325 964	326 482	326 822	327 172	329 335	330 922	332 602	338 095
1988 ---	339 723	342 379	344 395	346 224	349 325	351 835	353 383	355 507	357 946	359 664	362 405	367 396
1989 ---	370 825	372 608	375 448	378 164	380 575	382 998	386 272	387 245	386 526	387 237	388 304	386 784
1990 ---	390 557	390 675	390 272	391 588	393 190	392 240	394 967	396 424	399 368	400 606	401 635	398 851
1991 ---	398 901	398 563	396 329	395 738	392 533	391 038	388 774	387 900	389 552	388 555	388 279	386 043
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-2	-2	-8	-1	.1	-2	-4	-1	-7	-7
1983 ---	-1.2	-5	-1.2	.1	.2	.1	.3	.6	.5	.5	.4	.4
1984 ---	-2	1.1	1.2	1.1	1.3	1.0	.9	1.1	.6	.5	-1	-1
1985 ---	-5	.1	-1	-	-3	-2	-3	-2	-2	-3	-2	-2
1986 ---	-1.0	-4	-2	-1	-4	-2	-2	-5	-4	-2	-	-2
1987 ---	.2	-	.1	.3	.4	.2	.2	.7	.5	.5	.9	.8
1988 ---	.5	.8	.6	.5	.9	.7	.4	.6	.7	.5	.8	1.4
1989 ---	.9	.5	.8	.7	.6	.6	.9	.3	-2	.2	.3	-4
1990 ---	1.0	-	-1	.3	.4	-2	.7	.4	.7	.3	.3	-7
1991 ---	-	-1	-6	-1	-8	-4	-6	-2	.4	-3	-1	-6
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	110 361	110 086	109 268	109 304	107 778	106 550	106 490	105 497	104 094	104 179	103 570	103 601
1983 ---	102 710	102 104	100 861	101 021	100 991	100 704	100 533	101 604	102 134	103 123	103 626	105 661
1984 ---	106 395	107 253	107 816	108 129	109 686	109 604	111 575	112 115	112 515	112 698	111 983	112 257
1985 ---	112 112	111 796	110 668	110 914	109 710	109 430	108 675	108 535	107 235	107 666	106 519	108 657
1986 ---	107 408	106 700	105 363	105 344	104 309	104 087	104 444	103 597	102 959	102 664	102 285	104 307
1987 ---	104 808	104 393	104 003	105 126	105 207	105 436	105 673	105 684	106 426	106 765	107 314	109 512
1988 ---	110 508	110 796	111 684	112 335	112 911	113 919	115 171	116 612	117 080	117 524	117 619	119 116
1989 ---	120 542	120 957	120 779	120 757	120 392	120 483	121 971	122 617	121 468	122 062	122 304	122 323
1990 ---	123 109	122 434	121 646	121 645	121 413	120 705	122 443	122 562	122 537	124 117	124 566	125 296
1991 ---	126 336	125 244	123 640	122 464	121 000	119 551	120 087	120 165	119 699	120 298	119 680	120 543
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	109 109	109 092	108 383	108 507	107 564	107 164	107 018	106 232	105 196	105 038	104 136	103 176
1983 ---	101 537	101 155	100 208	100 414	100 880	101 307	101 005	102 233	103 072	103 768	104 225	105 143
1984 ---	105 261	106 325	107 366	107 654	109 692	110 151	111 881	112 474	113 231	113 251	112 659	111 722
1985 ---	111 067	110 969	110 405	110 578	109 808	109 957	108 913	108 750	107 774	108 118	107 165	108 099
1986 ---	106 391	105 938	105 250	105 146	104 564	104 625	104 635	103 677	103 409	103 055	102 879	103 730
1987 ---	103 794	103 677	103 935	104 996	105 572	106 097	105 878	105 725	106 906	107 108	107 826	108 904
1988 ---	109 373	110 035	111 651	112 279	113 372	114 716	115 374	116 594	117 570	117 802	117 989	118 394
1989 ---	119 285	120 170	120 736	120 808	120 975	121 457	122 184	122 565	121 959	122 273	122 561	121 512
1990 ---	121 744	121 621	121 593	121 804	122 123	121 887	122 740	122 561	123 070	124 220	124 619	124 300
1991 ---	124 903	124 374	123 558	122 712	121 816	120 862	120 480	120 232	120 281	120 373	119 704	119 535
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	-6	.1	-9	-4	-1	-7	-1.0	-2	-9	-9
1983 ---	-1.6	-4	-9	.2	.5	.4	-3	1.2	.8	.7	.4	.9
1984 ---	.1	1.0	1.0	.3	1.9	.4	1.6	.5	.7	-	-5	-8
1985 ---	-6	-1	-5	.2	-7	.1	-9	-1	-9	.3	-9	.9
1986 ---	-1.6	-4	-6	-1	-6	.1	-	-9	-1	-3	-2	.8
1987 ---	.1	-1	.2	1.0	.5	.5	-2	-1	.3	.2	.7	1.0
1988 ---	.4	.6	1.5	.6	1.0	1.2	.6	1.1	.8	.2	.2	.3
1989 ---	.8	.7	.5	.1	.1	.4	.6	.3	-5	.3	.2	-9
1990 ---	.2	-1	-	.2	.3	-2	.7	-1	.4	.9	.3	-3
1991 ---	.5	-4	-7	-7	-7	-8	-3	-2	-	.1	-6	-1

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	107 715	108 438	108 355	108 598	108 220	107 394	106 899	107 362	106 278	106 241	105 379	102 687
1983	103 662	104 612	103 561	104 068	104 538	103 020	103 303	104 317	103 911	104 733	104 411	102 842
1984	104 233	106 863	109 125	111 209	112 842	112 851	113 730	116 260	116 017	117 392	116 998	114 477
1985	116 099	117 643	118 235	118 188	118 201	117 711	118 733	119 085	119 289	118 752	118 085	114 357
1986	115 703	116 844	117 784	117 455	117 483	116 805	116 262	116 716	116 671	116 866	115 574	111 853
1987	113 700	115 711	115 973	115 955	116 785	116 381	116 853	118 816	119 557	120 341	121 091	118 144
1988	120 938	123 766	124 175	125 213	127 312	126 342	127 291	127 632	128 029	129 150	130 125	128 992
1989	132 065	134 484	137 049	139 354	140 758	140 170	142 638	143 543	141 875	143 071	143 323	139 000
1990	143 475	144 444	144 356	145 895	146 882	143 827	146 236	147 623	147 677	148 085	148 231	140 768
1991	142 588	144 271	143 915	144 558	143 830	142 732	143 499	142 512	142 775	142 276	141 240	135 514
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	108 438	107 923	107 418	107 464	107 009	107 425	106 884	106 899	106 429	106 176	105 799	105 311
1983	104 492	104 240	102 730	103 131	103 478	103 016	103 229	103 752	103 851	104 458	104 716	105 588
1984	105 266	106 615	108 361	110 354	111 743	112 836	113 602	115 537	115 650	116 851	117 220	117 578
1985	117 464	117 531	117 492	117 470	117 714	117 675	118 550	118 284	118 730	118 033	118 151	117 545
1986	117 175	116 861	117 198	116 870	116 480	116 767	115 924	115 900	116 046	116 108	115 553	115 079
1987	115 206	115 780	115 468	115 335	115 719	116 374	116 348	117 954	119 005	119 584	120 975	121 644
1988	122 555	123 799	123 742	124 471	126 130	126 454	126 612	126 702	127 493	128 296	129 886	132 860
1989	133 894	134 548	136 673	138 410	139 411	140 386	141 751	142 436	141 463	142 136	142 992	143 202
1990	145 483	144 556	144 066	144 815	145 541	144 160	145 124	146 420	147 315	147 052	147 792	144 998
1991	144 556	144 369	143 626	143 409	142 574	143 130	142 348	141 392	142 497	141 317	140 852	139 577
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-.5	-.5	-.4	-.4	-.4	-.5	-.4	-.4	-.4	-.4	-.5
1983	-.8	-.2	-1.4	.4	.3	-.4	.2	.5	.1	.6	.2	.8
1984	-.3	1.3	1.6	1.8	1.3	1.0	.7	1.7	.1	1.0	.3	.3
1985	-.1	-.1	-.1	-.1	-.3	-.4	-.7	-.2	.4	-.6	-.1	-.5
1986	-.3	-.3	-.3	-.3	-.3	.2	-.7	-.1	.1	-.1	-.5	-.4
1987	-.1	.5	-.3	-.1	.3	.6	-.1	1.4	.9	.5	1.2	.6
1988	.7	1.0	-.1	.6	1.3	.3	.1	.1	.6	.6	1.2	2.3
1989	.8	.5	1.6	1.3	.7	.7	1.0	.5	-.7	.5	.6	.1
1990	1.6	-.6	-.3	.5	.5	-.9	.7	.9	.6	-.2	.5	-1.9
1991	-.3	-.1	-.5	-.2	-.6	-.4	-.5	-.7	.8	-.8	-.3	-.9
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	104 843	106 807	106 914	107 084	106 411	105 202	104 685	104 409	103 578	103 818	103 182	100 924
1983	101 406	102 269	100 898	101 353	101 675	101 309	101 025	100 789	100 180	100 687	101 486	99 172
1984	100 491	102 876	103 715	105 764	107 131	108 062	107 325	108 454	108 403	109 243	109 260	107 502
1985	108 740	110 680	110 710	111 788	112 416	111 506	109 602	109 211	107 668	107 581	108 206	106 541
1986	107 420	108 297	107 617	108 775	109 008	106 847	106 171	105 491	102 862	103 081	104 082	101 407
1987	103 983	104 863	104 786	105 853	106 729	104 685	105 087	105 902	103 622	104 967	105 922	104 963
1988	107 548	109 650	109 395	110 987	112 007	111 231	111 504	112 452	111 346	112 502	113 687	113 369
1989	117 495	119 355	118 521	120 507	122 432	121 482	122 294	122 450	121 541	121 834	121 928	119 157
1990	123 204	126 151	125 001	126 494	127 810	126 462	127 034	127 666	127 531	128 457	128 482	126 429
1991	129 342	131 703	129 535	131 159	130 308	127 145	125 789	126 484	125 415	126 153	127 051	123 869
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	105 358	105 504	106 067	105 294	104 112	103 719	104 718	104 912	105 067	105 090	104 060	103 347
1983	101 999	101 217	99 980	99 739	99 645	100 068	101 074	101 109	101 559	101 661	102 191	101 631
1984	101 111	101 998	103 119	104 204	105 062	106 878	107 291	108 524	109 774	110 253	110 016	110 192
1985	109 415	109 886	110 173	110 122	110 204	110 384	109 476	109 167	109 125	108 564	108 936	109 157
1986	107 944	107 513	107 152	107 166	106 842	105 907	106 023	105 285	104 259	104 054	104 891	103 890
1987	104 386	104 003	104 377	104 340	104 673	104 011	104 946	105 656	105 011	105 010	106 687	107 547
1988	107 795	108 545	109 002	109 474	109 823	110 665	111 397	112 211	112 883	113 566	114 530	116 142
1989	117 646	117 890	118 039	118 946	120 189	121 155	122 337	122 244	123 104	122 828	122 751	122 070
1990	123 330	124 498	124 613	124 969	125 526	126 193	127 103	127 443	128 983	129 334	129 224	129 553
1991	129 442	129 820	129 145	129 617	128 143	127 046	125 946	126 276	126 774	126 865	127 723	126 931
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	.1	.5	-.7	-1.1	-.4	1.0	.2	.1	-.1	-1.0	-.7
1983	-1.3	-.8	-1.2	-.2	-.1	.4	1.0	-.1	.4	.1	.5	-.5
1984	-.5	.9	1.1	1.1	.8	1.7	.4	1.1	1.2	.4	-.2	.2
1985	-.7	.4	.3	-.1	.1	.2	-.8	-.3	-.1	-.5	.3	.2
1986	-1.1	-.4	-.3	-.1	-.3	-.9	.1	-.7	-1.0	-.2	.8	-1.0
1987	.5	-.4	.4	-.1	.3	-.6	.9	.7	-.6	.9	.7	.8
1988	.2	.7	.4	.4	.3	.8	.7	.7	.6	.6	.8	1.4
1989	1.3	.2	.1	.8	1.0	.8	1.0	-.1	.7	-.2	-.1	-.6
1990	1.0	.9	.1	.3	.4	.5	.7	.3	1.2	.3	-.1	.3
1991	-.1	.3	-.5	.4	-1.1	-.9	-.9	.3	.4	.1	.7	-.6

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	207 312	209 548	209 266	209 797	209 287	207 683	206 158	205 479	203 123	202 516	199 820	196 663
1983 ---	196 341	197 852	195 883	197 068	198 259	196 445	195 382	196 561	195 387	195 934	196 614	196 002
1984 ---	197 743	202 082	205 279	208 321	211 439	212 223	213 901	217 238	217 486	219 366	218 934	217 049
1985 ---	220 002	222 410	222 741	223 476	223 183	222 683	221 654	221 572	219 945	218 697	217 345	213 978
1986 ---	215 255	216 780	217 459	217 864	218 252	216 290	215 295	214 692	213 275	212 626	211 826	207 865
1987 ---	210 728	212 450	212 576	214 095	215 267	213 628	214 131	215 519	215 020	216 486	218 078	216 343
1988 ---	221 047	225 167	225 817	227 738	230 549	229 612	231 318	232 772	233 020	234 662	236 519	236 520
1989 ---	243 196	247 231	248 612	251 024	253 618	252 266	255 872	257 017	254 116	255 682	256 278	250 733
1990 ---	257 088	259 391	257 795	260 515	262 142	258 051	260 717	261 671	259 759	261 177	262 247	254 508
1991 ---	258 014	260 812	258 166	258 503	256 525	252 431	252 345	251 675	250 126	249 622	248 831	241 915
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	208 293	208 079	207 190	207 192	206 329	206 360	205 856	205 395	204 672	204 247	201 945	200 423
1983 ---	197 447	196 634	194 121	194 821	195 634	195 278	195 085	196 247	196 394	197 107	198 516	199 831
1984 ---	199 017	201 038	203 785	206 231	208 818	211 101	213 553	216 614	218 234	220 277	220 751	221 304
1985 ---	221 591	221 504	221 409	221 441	220 530	221 634	221 224	220 847	220 580	219 393	218 895	218 211
1986 ---	216 723	215 942	216 400	216 078	215 789	215 440	214 783	213 916	213 917	213 214	213 114	212 027
1987 ---	211 997	211 540	211 611	212 391	212 905	213 075	213 544	214 694	215 795	217 008	219 169	220 786
1988 ---	222 197	224 016	224 938	226 021	228 103	229 372	230 643	231 822	233 953	235 087	237 352	241 356
1989 ---	244 395	245 867	247 784	249 188	250 998	252 358	255 114	255 898	255 297	255 973	256 899	255 911
1990 ---	258 342	257 914	257 041	258 679	259 533	258 380	259 831	260 439	260 943	261 360	262 695	259 746
1991 ---	259 208	259 195	257 407	256 693	254 099	252 919	251 459	250 520	251 319	249 738	249 202	246 966
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-4	-	-4	-	-2	-2	-4	-2	-1.1	-8
1983 ---	-1.5	-4	-13	4	4	-2	-1	6	1	4	7	7
1984 ---	-4	1.0	14	1.2	1.3	1.1	1.2	1.4	7	9	2	3
1985 ---	1	-	-	-	-4	5	-2	-2	-1	-5	-2	-3
1986 ---	-7	-4	2	-1	-1	-2	-3	-4	-	-3	-	-5
1987 ---	-	-2	-	-	2	1	2	5	5	6	1.0	7
1988 ---	6	8	4	5	9	6	6	5	9	5	1.0	1.7
1989 ---	1.3	6	8	6	7	5	1.1	3	-2	3	4	-4
1990 ---	9	-2	-3	6	3	-4	6	2	2	2	5	-1.1
1991 ---	-2	-	-7	-3	-1.0	-5	-6	-4	3	-6	-2	-9
<b>DURABLE GOODS INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	64 581	64 397	63 556	63 209	62 373	62 120	62 120	61 550	60 768	60 571	59 525	59 032
1983 ---	58 191	57 971	57 029	57 412	57 807	57 630	57 814	58 715	58 904	59 327	59 739	60 243
1984 ---	60 470	61 079	61 629	61 944	63 057	63 580	65 235	66 280	66 549	66 648	65 878	65 977
1985 ---	65 800	65 642	65 021	65 327	64 609	64 663	64 708	64 845	64 291	64 338	63 512	64 001
1986 ---	62 899	62 509	61 893	62 116	61 789	61 915	62 092	61 743	61 693	61 181	61 043	61 482
1987 ---	61 753	61 424	61 044	61 730	61 751	61 980	62 052	62 117	62 298	62 447	62 827	63 699
1988 ---	64 263	64 380	64 758	65 119	65 652	66 275	67 453	68 619	68 819	68 772	68 821	69 511
1989 ---	70 809	71 298	71 350	71 188	71 103	71 205	72 536	73 128	72 504	72 740	72 520	72 078
1990 ---	72 644	72 018	71 080	71 237	71 371	71 015	72 178	72 108	71 802	72 512	72 641	72 945
1991 ---	73 303	72 866	71 587	70 594	69 739	68 585	68 781	69 240	68 846	68 717	68 256	67 876
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	64 313	64 223	63 579	63 243	62 469	62 323	61 958	61 352	60 786	60 555	59 740	59 134
1983 ---	57 977	57 841	57 145	57 489	57 937	57 835	57 650	58 462	58 794	59 233	59 931	60 321
1984 ---	60 283	60 962	61 844	62 060	63 236	63 806	65 046	65 922	66 376	66 546	66 114	66 025
1985 ---	65 623	65 550	65 284	65 432	64 807	64 898	64 520	64 464	64 098	64 279	63 742	64 004
1986 ---	62 679	62 401	62 173	62 251	62 068	62 182	61 963	61 359	61 521	61 154	61 228	61 407
1987 ---	61 460	61 270	61 279	61 878	62 093	62 321	61 956	61 727	62 161	62 429	62 992	63 602
1988 ---	63 877	64 175	64 987	65 339	66 060	66 717	67 401	68 195	68 696	68 702	68 932	69 348
1989 ---	70 323	71 049	71 557	71 483	71 569	71 776	72 491	72 678	72 419	72 637	72 587	71 869
1990 ---	72 083	71 737	71 256	71 601	71 872	71 692	72 152	71 658	71 714	72 369	72 654	72 697
1991 ---	72 695	72 540	71 739	70 991	70 271	69 305	68 769	68 816	68 773	68 562	68 264	67 645
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-1.0	-5	-1.2	-2	-6	-1.0	-9	-4	-1.3	-1.0
1983 ---	-2.0	-2	-1.2	6	8	-2	-3	1.4	6	7	1.2	7
1984 ---	-1	1.1	1.4	3	1.9	9	1.9	1.3	7	3	-6	-1
1985 ---	-6	-1	-4	2	-1.0	1	-6	-1	-6	-3	-8	-4
1986 ---	-2.1	-4	-4	1	-3	2	-4	-1.0	3	-6	1	3
1987 ---	1	-3	-	1.0	3	4	-6	-4	7	4	9	1.0
1988 ---	4	5	1.3	5	1.1	1.0	1.0	1.2	7	-	3	6
1989 ---	1.4	1.0	7	-1	1	3	1.0	3	-4	3	-1	-1.0
1990 ---	3	-5	-7	5	4	-3	6	-7	1	9	4	1
1991 ---	-	-2	-1.1	-1.0	-1.0	-1.4	-8	-1	-1	-3	-4	-9

See footnotes at end of table.



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>DURABLE GOODS INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	88 763	89 629	89 444	89 389	89 053	88 337	87 475	87 921	87 144	87 385	86 550	84 626
1983 ---	85 269	85 985	85 156	85 273	85 927	84 645	84 586	85 417	85 011	85 605	85 301	84 696
1984 ---	85 505	87 772	89 944	91 494	92 836	93 167	94 117	96 176	96 424	97 725	97 690	95 707
1985 ---	97 243	98 636	99 401	99 227	99 183	98 978	99 825	100 191	100 353	99 423	98 553	95 450
1986 ---	97 255	98 134	99 600	99 294	99 376	98 769	98 282	98 960	98 873	98 905	97 602	94 226
1987 ---	95 584	96 978	97 209	97 278	97 899	97 498	98 091	99 703	100 465	101 202	101 771	99 376
1988 ---	101 725	104 488	104 602	105 427	107 302	106 487	107 159	107 488	107 902	108 781	109 781	109 092
1989 ---	111 584	113 991	116 076	118 048	119 687	119 109	121 183	122 128	120 566	121 323	121 946	118 302
1990 ---	122 164	123 070	122 827	124 336	125 114	122 618	124 509	125 503	125 135	125 192	125 607	118 890
1991 ---	120 687	122 379	122 310	122 422	121 923	120 941	121 507	120 515	120 343	119 477	118 992	114 061
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	89 347	89 105	88 471	88 491	88 076	88 306	87 524	87 553	87 329	87 466	87 097	86 698
1983 ---	85 968	85 612	84 270	84 521	85 071	84 591	84 578	84 955	84 933	85 436	85 689	86 892
1984 ---	86 416	87 536	89 144	90 811	91 958	93 102	94 092	95 542	96 073	97 306	97 993	98 247
1985 ---	98 509	98 546	98 649	98 625	98 326	98 885	99 735	99 462	99 839	98 835	98 734	98 094
1986 ---	98 638	98 156	99 016	98 788	98 499	98 648	98 017	98 190	98 319	98 274	97 686	96 954
1987 ---	97 005	97 044	96 732	96 750	96 951	97 404	97 683	98 898	99 979	100 583	101 772	102 698
1988 ---	103 242	104 510	104 197	104 790	106 199	106 555	106 598	107 457	108 151	109 677	110 420	112 420
1989 ---	113 305	114 026	115 729	117 243	118 414	119 154	120 409	121 085	120 228	120 637	121 740	121 954
1990 ---	124 042	123 122	122 552	123 449	123 824	122 737	123 530	124 374	124 833	124 501	125 319	122 564
1991 ---	122 542	122 411	122 024	121 490	120 707	121 110	120 484	119 452	120 114	118 868	118 751	117 575
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.3	-.7	-.3	-.5	.3	-.9	-.1	-.3	.2	-.4	-.5
1983 ---	-.8	-.4	-.6	-.3	-.7	-.6	-.1	.4	-.6	.6	-.3	1.4
1984 ---	-.5	1.3	1.8	1.9	1.3	1.2	1.1	.6	1.3	1.3	-.7	-.3
1985 ---	.3	-.1	-.1	-.2	-.3	-.6	-.9	-.3	-.4	-.1	-.1	-.6
1986 ---	.6	-.5	-.9	-.2	-.3	-.5	-.6	-.2	-.1	-.1	-.6	-.7
1987 ---	.1	-.1	-.3	-.6	-.2	-.2	-.3	1.2	1.1	.6	1.2	-.6
1988 ---	.9	1.2	-.3	.6	1.3	.2	.6	1.1	-.8	.6	1.4	2.5
1989 ---	.8	.6	1.5	1.3	1.0	.6	1.1	-.7	-.3	.9	.9	-.2
1990 ---	1.7	-.7	-.5	-.7	-.3	-.9	-.6	-.6	-.4	-.3	-.7	-.2.2
1991 ---	-.1	-.1	-.3	-.4	-.6	-.3	-.5	-.9	-.6	-.1.0	-.1	-.1.0
<b>DURABLE GOODS INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	53 968	55 522	56 266	57 199	57 861	57 226	56 563	56 008	55 211	54 560	53 645	53 005
1983 ---	52 881	53 896	53 698	54 383	54 525	54 170	53 002	52 429	51 472	51 002	51 574	51 063
1984 ---	51 768	53 231	53 706	54 883	55 546	55 476	54 549	54 782	54 513	54 993	55 366	55 365
1985 ---	56 959	58 132	58 319	58 922	59 391	59 042	57 121	56 536	55 291	54 936	55 280	54 627
1986 ---	55 101	56 137	55 966	56 454	57 087	55 606	54 921	53 989	52 709	52 540	53 181	52 157
1987 ---	53 391	54 048	54 323	55 087	55 617	54 150	53 988	53 699	52 257	52 837	53 480	53 268
1988 ---	55 059	56 299	56 457	57 192	57 595	56 850	56 706	56 665	56 299	57 109	57 917	57 917
1989 ---	60 803	61 942	61 186	61 788	62 828	61 952	62 153	61 761	61 046	61 619	61 812	60 353
1990 ---	62 280	64 303	63 888	64 942	65 657	64 418	64 030	64 060	62 822	63 473	63 999	62 673
1991 ---	64 024	65 567	64 269	65 487	64 863	62 905	62 057	61 920	60 937	61 428	61 583	59 978
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	54 633	54 751	55 140	55 458	55 784	55 731	56 374	56 490	56 557	56 226	55 108	54 591
1983 ---	53 502	53 181	52 706	52 811	52 626	52 852	52 857	52 830	52 667	52 438	52 896	52 618
1984 ---	52 318	52 540	52 797	53 360	53 624	54 193	54 415	55 150	55 785	56 425	56 644	57 032
1985 ---	57 459	57 408	57 476	57 384	57 397	57 851	56 969	56 921	56 643	56 279	56 419	56 113
1986 ---	55 406	55 385	55 211	55 039	55 222	54 610	54 803	54 367	54 077	53 786	54 200	53 666
1987 ---	53 532	53 226	53 600	53 763	53 861	53 350	53 905	54 069	53 655	53 996	54 405	54 815
1988 ---	55 078	55 331	55 754	55 892	55 844	56 205	56 677	57 029	57 800	58 234	58 743	59 588
1989 ---	60 767	60 792	60 498	60 462	61 015	61 428	62 214	62 135	62 650	62 699	62 572	62 088
1990 ---	62 217	63 055	63 233	63 629	63 837	63 951	64 149	64 407	64 396	64 490	64 722	64 485
1991 ---	63 971	64 244	63 644	64 212	63 121	62 504	62 206	62 252	62 432	62 308	62 187	61 746
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.2	.7	.6	.6	-.1	1.2	.2	.1	-.6	-.2.0	-.9
1983 ---	-.2.0	-.6	-.9	-.2	-.4	-.4	-.1	-.1	-.3	-.4	.9	-.5
1984 ---	-.6	-.4	-.5	1.1	-.5	1.1	.4	1.4	1.2	1.1	.4	.7
1985 ---	.7	-.1	-.1	-.2	-.8	-.8	-.1.5	-.1	-.5	-.6	.2	-.5
1986 ---	-.1.3	-.1	-.3	-.3	-.3	-.1.1	.4	-.8	-.5	-.5	.8	-.1.0
1987 ---	-.2	-.6	-.7	-.3	.2	-.9	1.0	.3	-.8	.6	.8	.8
1988 ---	.5	.5	.8	.2	-.1	.6	.8	.6	1.4	.8	.9	1.4
1989 ---	2.0	-.1	-.5	-.1	.9	.7	1.3	-.1	.8	.1	-.2	-.8
1990 ---	-.2	1.3	.3	.6	.3	.2	.3	.4	-.1	.1	.4	-.4
1991 ---	-.8	.4	-.9	.9	-.1.7	-.1.0	-.5	.1	.3	-.2	-.2	-.7

See footnotes at end of table.



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 601	6 857	6 828	6 810	6 790	6 641	6 526	6 485	6 360	6 319	6 292	6 371
1983 ---	6 303	6 572	6 631	6 684	6 654	6 546	6 531	6 441	6 314	6 318	6 336	6 497
1984 ---	6 512	6 715	6 850	6 926	7 005	6 991	6 962	6 944	6 852	6 785	6 789	6 909
1985 ---	7 016	7 254	7 356	7 364	7 347	7 382	7 323	7 095	6 994	6 735	6 840	6 912
1986 ---	6 916	7 083	7 154	7 170	7 207	7 148	7 106	7 147	6 828	6 737	6 868	6 967
1987 ---	7 234	7 204	7 321	7 292	7 351	7 239	7 197	7 136	6 963	6 892	6 946	7 033
1988 ---	7 134	7 297	7 307	7 352	7 498	7 293	7 356	7 264	7 216	7 237	7 247	7 374
1989 ---	7 523	7 746	7 809	7 888	8 017	7 837	7 932	7 753	7 639	7 611	7 613	7 660
1990 ---	7 738	7 912	7 892	7 962	7 926	7 854	7 875	7 802	7 757	7 847	7 893	8 058
1991 ---	8 222	8 441	8 319	8 332	8 262	8 116	8 069	7 958	7 741	7 686	7 807	7 906
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 637	6 685	6 606	6 567	6 564	6 534	6 495	6 548	6 544	6 588	6 552	6 506
1983 ---	6 353	6 425	6 428	6 464	6 447	6 439	6 498	6 490	6 486	6 564	6 577	6 628
1984 ---	6 571	6 585	6 657	6 717	6 799	6 876	6 916	6 986	7 029	7 032	7 030	7 041
1985 ---	7 084	7 133	7 163	7 180	7 139	7 260	7 262	7 132	7 171	6 971	7 070	7 043
1986 ---	6 975	6 969	6 977	6 987	7 005	7 039	7 039	7 186	6 998	6 969	7 086	7 095
1987 ---	7 285	7 082	7 148	7 116	7 149	7 146	7 129	7 184	7 140	7 120	7 154	7 155
1988 ---	7 166	7 161	7 143	7 180	7 299	7 222	7 293	7 320	7 405	7 467	7 450	7 490
1989 ---	7 544	7 586	7 644	7 705	7 817	7 782	7 873	7 820	7 844	7 839	7 815	7 768
1990 ---	7 748	7 733	7 734	7 778	7 739	7 824	7 813	7 875	7 966	8 074	8 093	8 162
1991 ---	8 231	8 239	8 159	8 140	8 074	8 081	8 019	8 038	7 948	7 902	8 000	8 006
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.7	-1.2	-6	-	-5	-6	.8	-1	.7	-5	-7
1983 ---	-2.4	1.1	-	.6	-3	-	-	-1	-1	1.2	.2	.8
1984 ---	-.9	.2	1.1	.9	1.2	1.1	.6	1.0	.6	-	-	.2
1985 ---	.6	.7	.4	-	-3	1.7	-	-1.8	.5	-2.8	1.4	-4
1986 ---	-1.0	-.1	.1	.1	.3	.5	-	2.1	-2.6	-.4	1.7	.1
1987 ---	2.7	-2.8	.9	-.4	.5	-	-2	.8	-.6	-.3	.5	-
1988 ---	.2	-.1	-.3	.5	1.7	-1.1	1.0	.4	1.2	.8	-.2	.5
1989 ---	.7	.6	.8	.5	1.5	-.4	1.2	-.7	.3	-.1	-.3	-.6
1990 ---	-.3	-.2	-	.6	-.5	1.0	.1	.7	1.2	1.4	.2	.9
1991 ---	.8	.1	-1.0	-.2	-.8	-.1	-.8	.2	-1.1	-.6	1.2	.1
<b>STONE, CLAY, AND GLASS PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 267	2 303	2 290	2 281	2 235	2 208	2 189	2 183	2 162	2 163	2 134	2 159
1983 ---	2 092	2 146	2 160	2 141	2 115	2 113	2 124	2 151	2 138	2 120	2 108	2 153
1984 ---	2 121	2 129	2 159	2 182	2 249	2 239	2 289	2 330	2 329	2 311	2 278	2 295
1985 ---	2 248	2 257	2 244	2 281	2 298	2 319	2 354	2 315	2 297	2 236	2 265	2 269
1986 ---	2 262	2 264	2 252	2 310	2 305	2 301	2 332	2 365	2 276	2 292	2 266	2 303
1987 ---	2 348	2 342	2 349	2 315	2 331	2 303	2 338	2 316	2 258	2 244	2 262	2 319
1988 ---	2 309	2 355	2 328	2 350	2 407	2 372	2 431	2 398	2 377	2 357	2 376	2 401
1989 ---	2 418	2 462	2 458	2 464	2 474	2 431	2 481	2 449	2 429	2 401	2 489	2 493
1990 ---	2 485	2 468	2 429	2 453	2 497	2 485	2 513	2 505	2 493	2 537	2 509	2 565
1991 ---	2 566	2 578	2 505	2 480	2 460	2 493	2 519	2 497	2 456	2 449	2 440	2 477
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 251	2 311	2 283	2 279	2 227	2 207	2 175	2 176	2 161	2 182	2 165	2 143
1983 ---	2 088	2 155	2 157	2 137	2 108	2 111	2 108	2 138	2 138	2 134	2 138	2 145
1984 ---	2 123	2 138	2 161	2 178	2 240	2 235	2 268	2 310	2 330	2 327	2 310	2 293
1985 ---	2 255	2 264	2 249	2 277	2 287	2 316	2 325	2 293	2 302	2 251	2 297	2 270
1986 ---	2 271	2 264	2 257	2 306	2 292	2 298	2 300	2 345	2 285	2 311	2 296	2 304
1987 ---	2 355	2 337	2 354	2 312	2 319	2 302	2 303	2 303	2 273	2 261	2 289	2 318
1988 ---	2 310	2 345	2 332	2 349	2 394	2 373	2 397	2 389	2 398	2 375	2 404	2 394
1989 ---	2 412	2 448	2 463	2 466	2 465	2 435	2 449	2 442	2 454	2 415	2 517	2 481
1990 ---	2 472	2 452	2 435	2 458	2 489	2 491	2 484	2 501	2 520	2 551	2 536	2 549
1991 ---	2 548	2 560	2 513	2 488	2 456	2 501	2 492	2 495	2 482	2 460	2 465	2 460
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.7	-1.2	-.2	-2.3	-.9	-1.4	-	-.7	1.0	-.8	-1.0
1983 ---	-2.6	3.2	.1	-.9	-.1	-.1	-.1	1.4	-	-.2	.2	.3
1984 ---	-1.0	.7	1.1	.8	2.8	-.2	1.5	1.9	.9	-.1	-.7	-.7
1985 ---	-1.7	.4	-.7	1.2	.4	1.3	.4	-1.4	.4	-2.2	2.0	-1.2
1986 ---	-	-.3	-.3	2.2	-.6	.3	.1	2.0	-2.6	1.1	-.6	.3
1987 ---	2.2	-.8	.7	-1.8	.3	-.7	-	-	-1.3	-.5	1.2	1.3
1988 ---	-.3	1.5	-.6	.7	1.9	-.9	1.0	-.3	.4	-1.0	1.2	-.4
1989 ---	.8	1.5	.6	.1	-	-1.2	.6	-.3	.5	-1.6	4.2	-1.4
1990 ---	-.4	-.8	-.7	.9	1.3	.1	-.3	.7	.8	1.2	-.6	.5
1991 ---	-	.5	-1.8	-1.0	-1.3	1.8	-.4	.1	-.5	-.9	.2	-.2

See footnotes at end of table.



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
STONE, CLAY, AND GLASS PRODUCTS, TOTAL—WORK-IN-PROCESS												
Not Seasonally Adjusted—Millions of Dollars												
1982	1 025	1 091	1 081	1 051	1 037	1 006	967	981	981	960	367	964
1983	940	947	1 008	1 038	1 042	1 057	961	959	956	927	945	981
1984	1 004	1 076	1 062	1 037	1 024	1 047	1 014	1 030	1 017	1 019	996	1 021
1985	1 062	1 124	1 133	1 135	1 117	1 120	1 117	1 115	1 143	1 060	1 035	1 043
1986	1 066	1 089	1 119	1 069	1 047	1 048	1 052	1 050	1 022	961	1 010	997
1987	1 063	1 026	1 039	1 042	1 028	1 049	1 060	1 055	1 050	1 057	1 048	1 062
1988	1 143	1 164	1 187	1 173	1 202	1 162	1 149	1 141	1 127	1 087	1 053	1 081
1989	1 133	1 183	1 208	1 229	1 212	1 197	1 187	1 145	1 127	1 114	1 111	1 084
1990	1 139	1 169	1 155	1 150	1 134	1 121	1 085	1 079	1 070	1 053	1 051	1 088
1991	1 125	1 174	1 209	1 203	1 174	1 130	1 148	1 135	1 101	1 078	1 082	1 061
Seasonally Adjusted—Millions of Dollars												
1982	1 041	1 038	1 013	989	991	982	978	1 000	1 008	1 023	1 027	1 007
1983	950	903	951	988	1 007	1 034	973	972	977	978	997	1 017
1984	1 012	1 032	1 011	996	999	1 027	1 022	1 039	1 036	1 066	1 046	1 056
1985	1 067	1 085	1 084	1 099	1 098	1 100	1 120	1 119	1 162	1 102	1 087	1 081
1986	1 067	1 055	1 074	1 037	1 032	1 031	1 049	1 052	1 039	996	1 062	1 038
1987	1 060	994	997	1 011	1 014	1 033	1 053	1 057	1 069	1 093	1 103	1 109
1988	1 140	1 128	1 139	1 133	1 181	1 144	1 141	1 148	1 152	1 126	1 108	1 132
1989	1 132	1 144	1 158	1 184	1 189	1 177	1 180	1 154	1 155	1 154	1 169	1 135
1990	1 141	1 128	1 106	1 103	1 110	1 102	1 081	1 090	1 099	1 092	1 103	1 139
1991	1 130	1 131	1 156	1 153	1 149	1 110	1 145	1 148	1 131	1 118	1 134	1 111
Seasonally Adjusted—Percent Change From Previous Period												
1982	(X)	-3	-2.4	-2.4	.2	-9	-4	2.2	.8	1.5	.4	-1.9
1983	-5.7	-4.9	5.3	3.9	1.9	2.7	-5.9	-1	.5	.1	1.9	2.0
1984	-5	2.0	-2.0	-1.5	.3	2.8	-5	1.7	-3	2.9	-1.9	1.0
1985	1.0	1.7	-1	1.4	-1	.2	1.8	-1	3.8	-5.2	-1.4	-6
1986	-1.3	-1.1	1.8	-3.4	-5	-1	1.7	.3	-1.2	-4.1	6.6	-2.3
1987	2.1	-6.2	.3	1.4	.3	1.9	1.9	.4	1.1	2.2	.9	.5
1988	2.8	-1.1	1.0	-5	4.2	-3.1	-3	.6	.3	-2.3	-1.6	2.2
1989	-	1.1	1.2	2.2	.4	-1.0	.3	-2.2	.1	-1	1.3	-2.9
1990	.5	-1.1	-2.0	-3	.6	-7	-1.9	.8	.8	-6	1.0	3.3
1991	-8	.1	2.2	-3	-3	-3.4	3.2	.3	-1.5	-1.1	1.4	-2.0
STONE, CLAY, AND GLASS PRODUCTS, TOTAL—FINISHED GOODS												
Not Seasonally Adjusted—Millions of Dollars												
1982	3 309	3 463	3 457	3 478	3 518	3 427	3 370	3 321	3 217	3 196	3 191	3 248
1983	3 271	3 479	3 463	3 505	3 497	3 376	3 446	3 331	3 220	3 271	3 283	3 363
1984	3 387	3 510	3 629	3 707	3 732	3 705	3 659	3 584	3 506	3 455	3 515	3 593
1985	3 706	3 873	3 979	3 948	3 932	3 943	3 852	3 665	3 554	3 439	3 540	3 600
1986	3 588	3 730	3 783	3 791	3 855	3 799	3 722	3 732	3 530	3 484	3 592	3 667
1987	3 823	3 836	3 933	3 935	3 992	3 887	3 799	3 765	3 655	3 591	3 636	3 652
1988	3 682	3 778	3 792	3 829	3 889	3 776	3 725	3 712	3 712	3 793	3 818	3 892
1989	3 972	4 101	4 143	4 195	4 331	4 209	4 264	4 159	4 083	4 096	4 013	4 083
1990	4 114	4 275	4 308	4 359	4 295	4 248	4 277	4 218	4 194	4 257	4 333	4 405
1991	4 531	4 689	4 605	4 649	4 628	4 493	4 402	4 326	4 184	4 159	4 285	4 368
Seasonally Adjusted—Millions of Dollars												
1982	3 345	3 336	3 310	3 299	3 346	3 345	3 342	3 372	3 375	3 383	3 360	3 356
1983	3 315	3 367	3 320	3 339	3 332	3 294	3 417	3 380	3 371	3 452	3 442	3 466
1984	3 436	3 415	3 485	3 543	3 560	3 614	3 626	3 637	3 663	3 639	3 674	3 692
1985	3 762	3 784	3 830	3 784	3 754	3 844	3 817	3 720	3 707	3 618	3 686	3 692
1986	3 637	3 650	3 646	3 644	3 681	3 710	3 690	3 789	3 674	3 662	3 728	3 753
1987	3 870	3 751	3 797	3 793	3 816	3 811	3 773	3 824	3 798	3 766	3 762	3 728
1988	3 716	3 688	3 672	3 698	3 724	3 705	3 755	3 783	3 855	3 966	3 938	3 964
1989	4 000	3 994	4 023	4 055	4 163	4 170	4 244	4 224	4 235	4 270	4 129	4 152
1990	4 135	4 153	4 193	4 217	4 140	4 220	4 259	4 284	4 347	4 431	4 454	4 474
1991	4 553	4 548	4 490	4 499	4 469	4 470	4 382	4 395	4 335	4 324	4 401	4 435
Seasonally Adjusted—Percent Change From Previous Period												
1982	(X)	-3	-8	-3	1.4	-	-1	.9	.1	.2	-7	-1
1983	-1.2	1.6	-1.4	.6	-2	-1.1	3.7	-1.1	-3	2.4	-3	.7
1984	-9	-6	2.0	1.7	.5	1.5	.3	.3	.7	-7	1.0	.5
1985	1.9	.6	1.2	-1.2	-8	2.4	-7	-2.5	-3	-2.4	1.9	.2
1986	-1.5	.4	-1	-1	1.0	.8	-5	2.7	-3.0	-3	1.8	.7
1987	3.1	-3.1	1.2	-1	.6	-1	-1.0	1.4	-7	-8	-1	-9
1988	-3	-8	-4	.7	.7	-5	1.3	.7	1.9	2.9	-7	.7
1989	.9	-2	.7	.8	2.7	.2	1.8	-5	.3	.8	-3.3	.6
1990	-4	.4	1.0	.6	-1.8	1.9	.9	.6	1.5	1.9	.5	.4
1991	1.8	-1	-1.3	.2	-7	-	-2.0	.3	-1.4	-3	1.8	.8

See footnotes et and of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PRIMARY METAL INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	28 427	28 362	27 969	27 448	27 143	26 589	26 431	25 992	25 485	25 227	24 705	23 897
1983	23 498	23 380	22 740	23 207	23 183	22 756	22 705	22 578	22 310	22 321	22 523	22 035
1984	21 976	22 266	22 474	22 964	23 486	23 399	23 498	23 524	23 419	22 952	22 667	22 184
1985	21 559	21 267	21 431	21 366	21 287	21 145	20 960	20 751	20 606	20 311	20 215	19 807
1986	19 693	19 647	19 438	19 484	19 523	19 375	19 310	18 752	18 320	18 000	18 118	18 334
1987	18 225	17 860	17 716	17 924	17 858	17 763	17 881	17 997	18 214	18 398	18 766	18 978
1988	19 476	19 846	19 955	20 252	20 501	20 307	20 646	20 947	21 335	21 645	21 929	22 270
1989	22 811	22 963	22 884	23 297	23 618	23 383	23 569	23 257	23 053	22 758	22 779	22 516
1990	22 595	22 536	21 863	22 064	22 066	22 013	22 257	22 401	22 580	22 410	22 317	22 277
1991	22 189	22 013	21 892	21 798	21 499	21 203	21 039	20 873	20 816	20 569	20 402	20 276
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	28 823	28 622	28 126	27 399	26 864	26 475	26 128	25 798	25 479	25 220	24 697	24 174
1983	23 798	23 576	22 844	23 133	22 929	22 637	22 475	22 432	22 291	22 334	22 542	22 310
1984	22 232	22 439	22 586	22 873	23 231	23 257	23 288	23 383	23 384	22 982	22 691	22 444
1985	21 762	21 403	21 540	21 271	21 067	21 022	20 815	20 664	20 586	20 364	20 250	20 017
1986	19 793	19 722	19 533	19 397	19 346	19 291	19 222	18 718	18 327	18 083	18 162	18 482
1987	18 226	17 867	17 779	17 834	17 718	17 730	17 838	18 005	18 232	18 489	18 818	19 086
1988	19 402	19 812	20 034	20 177	20 378	20 328	20 625	20 972	21 347	21 737	21 972	22 308
1989	22 685	22 899	22 999	23 251	23 511	23 465	23 572	23 288	23 037	22 829	22 807	22 488
1990	22 457	22 478	21 996	22 045	21 993	22 120	22 274	22 427	22 542	22 467	22 340	22 195
1991	22 073	21 959	22 028	21 785	21 447	21 314	21 060	20 894	20 771	20 619	20 427	20 187
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-7	-1.7	-2.6	-2.0	-1.4	-1.3	-1.3	-1.2	-1.0	-2.1	-2.1
1983	-1.6	-9	-3.1	1.3	-9	-1.3	-7	-2	-6	.2	.9	-1.0
1984	-3	.9	.7	1.3	1.6	.1	.1	.4	-	-1.7	-1.3	-1.1
1985	-3.0	-1.6	.6	-1.2	-1.0	-2	-1.0	-7	-4	-1.1	-6	-1.2
1986	-1.1	-4	-1.0	-7	-3	-3	-4	-2.6	-2.1	-1.3	.4	1.8
1987	-1.4	-2.0	-5	.3	-7	.1	.6	.9	1.3	1.4	1.8	1.4
1988	1.7	2.1	1.1	.7	1.0	-2	1.5	1.7	1.8	1.8	1.1	1.5
1989	1.7	.9	.4	1.1	1.1	-2	5	-1.2	-1.1	-9	-1	-1.4
1990	-1	.1	-2.1	.2	-2	.6	.7	.7	.5	-3	-6	-6
1991	-5	-5	.3	-1.1	-1.6	-6	-1.2	-8	-6	-7	-9	-1.2
<b>PRIMARY METAL INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	10 263	10 056	9 811	9 589	9 536	9 475	9 366	9 229	9 059	8 843	8 705	8 663
1983	8 383	8 132	7 770	7 756	7 732	7 723	7 735	7 716	7 678	7 749	7 936	8 056
1984	7 732	7 574	7 521	7 458	7 644	7 803	7 982	8 169	8 286	8 230	8 131	7 768
1985	7 378	7 073	6 734	6 693	6 794	6 859	6 837	6 894	6 968	6 952	6 798	6 634
1986	6 448	6 287	5 952	5 968	5 994	6 041	6 185	5 946	5 851	6 020	6 081	6 171
1987	6 039	5 778	5 550	5 572	5 424	5 518	5 620	5 671	5 728	5 861	6 039	6 250
1988	6 265	6 230	6 252	6 298	6 407	6 576	6 769	6 903	7 030	7 068	7 182	7 503
1989	7 398	7 253	7 034	7 123	7 171	7 276	7 346	7 514	7 515	7 392	7 386	7 435
1990	7 308	7 046	6 733	6 762	6 798	6 845	7 065	7 073	7 082	7 184	7 077	7 174
1991	7 004	6 841	6 556	6 512	6 466	6 416	6 373	6 487	6 604	6 661	6 511	6 595
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	10 171	10 152	10 085	9 931	9 778	9 578	9 332	9 146	8 953	8 649	8 438	8 470
1983	8 294	8 209	8 015	8 049	7 937	7 813	7 721	7 650	7 574	7 563	7 685	7 861
1984	7 648	7 656	7 788	7 746	7 853	7 891	7 978	8 095	8 169	8 023	7 866	7 550
1985	7 288	7 157	6 997	6 962	6 992	6 943	6 841	6 829	6 763	6 773	6 575	6 425
1986	6 350	6 362	6 194	6 207	6 186	6 121	6 195	5 893	5 863	5 887	5 899	5 959
1987	5 927	5 834	5 767	5 774	5 598	5 595	5 634	5 626	5 642	5 749	5 882	6 020
1988	6 129	6 282	6 490	6 516	6 610	6 679	6 787	6 850	6 924	6 953	7 021	7 205
1989	7 226	7 306	7 300	7 371	7 401	7 410	7 369	7 453	7 388	7 276	7 234	7 118
1990	7 139	7 099	6 986	7 001	7 017	6 984	7 093	7 008	6 947	7 068	6 940	6 854
1991	6 850	6 891	6 805	6 743	6 673	6 550	6 403	6 426	6 471	6 553	6 390	6 303
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-2	-7	-1.5	-1.5	-2.0	-2.6	-2.0	-2.1	-3.4	-2.4	.4
1983	-2.1	-1.0	-2.4	.4	-1.4	-1.6	-1.2	-9	-1.0	-1	1.6	2.3
1984	-2.7	.1	1.7	-5	1.4	.5	1.1	1.5	.9	-1.8	-2.0	-4.0
1985	-3.5	-1.8	-2.2	-5	.4	-7	-1.5	-2	-1.0	.1	-2.9	-2.3
1986	-1.2	.2	-2.6	.2	-3	-1.1	1.2	-4.9	-5	.4	.2	1.0
1987	-5	-1.6	-1.1	.1	-3.0	-1	.7	-1	.3	1.9	2.3	2.3
1988	1.8	2.5	3.3	.4	1.4	1.0	1.6	.9	1.1	.4	1.0	2.6
1989	.3	1.1	-.1	1.0	.4	.1	-.6	1.1	-.9	-1.5	-.6	-1.6
1990	.3	-.6	-1.6	.2	.2	-.5	1.6	-1.2	-.9	1.7	-1.8	-1.2
1991	-.1	.6	-1.2	-.9	-1.0	-1.8	-2.2	.4	.7	1.3	-2.5	-1.4

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PRIMARY METAL INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	10 404	10 300	10 077	9 902	9 777	9 539	9 493	9 437	9 242	9 253	8 972	8 380
1983 ---	8 401	8 374	8 152	8 230	8 211	8 037	8 293	8 327	8 238	8 325	8 142	8 054
1984 ---	8 169	8 347	8 486	8 674	9 046	8 969	9 049	8 970	8 706	8 463	8 331	8 093
1985 ---	7 901	7 947	8 327	8 208	8 054	7 891	7 861	7 666	7 568	7 345	7 189	7 133
1986 ---	7 200	7 181	7 351	7 234	7 246	7 162	7 200	7 227	7 053	6 866	6 905	6 942
1987 ---	6 972	7 039	7 083	7 044	7 161	7 117	7 158	7 202	7 310	7 397	7 494	7 677
1988 ---	7 993	8 141	8 133	8 343	8 387	8 273	8 344	8 511	8 706	8 854	8 956	8 930
1989 ---	9 245	9 314	9 590	9 774	9 806	9 525	9 586	9 321	9 141	9 055	8 926	8 721
1990 ---	8 697	8 678	8 509	8 494	8 372	8 403	8 501	8 644	8 710	8 450	8 362	8 356
1991 ---	8 402	8 352	8 537	8 552	8 403	8 316	8 318	8 154	8 012	7 732	7 630	7 500
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	10 664	10 487	10 139	9 817	9 577	9 463	9 257	9 209	9 182	9 288	9 084	8 678
1983 ---	8 585	8 501	8 157	8 140	8 055	7 982	8 110	8 155	8 196	8 370	8 269	8 347
1984 ---	8 332	8 448	8 450	8 751	8 876	8 909	8 876	8 822	8 672	8 521	8 485	8 363
1985 ---	8 036	8 024	8 263	8 083	7 913	7 843	7 743	7 571	7 550	7 399	7 322	7 345
1986 ---	7 289	7 232	7 269	7 122	7 131	7 133	7 124	7 178	7 055	6 924	7 036	7 118
1987 ---	7 026	7 063	6 981	6 923	7 052	7 100	7 114	7 181	7 322	7 454	7 618	7 842
1988 ---	8 032	8 155	8 019	8 210	8 274	8 265	8 307	8 500	8 723	8 914	9 083	9 087
1989 ---	9 284	9 325	9 480	9 635	9 704	9 534	9 549	9 302	9 144	9 104	9 029	8 852
1990 ---	8 740	8 702	8 428	8 378	8 307	8 416	8 460	8 615	8 698	8 489	8 472	8 463
1991 ---	8 458	8 380	8 462	8 436	8 350	8 332	8 276	8 118	7 999	7 769	7 713	7 596
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.7	-3.3	-3.2	-2.4	-1.2	-2.2	-5	-3	1.2	-2.2	-4.5
1983 ---	-1.1	-1.0	-4.0	-2	-1.0	-9	1.6	6	5	2.1	-1.2	9
1984 ---	-2	1.4	-	3.6	1.4	-4	-4	-6	-1.7	-1.7	-4	-1.4
1985 ---	-3.9	-1	3.0	-2.2	-2.1	-9	-1.3	-2.2	-3	-2.0	-1.0	3
1986 ---	-8	-8	5	-2.0	-1	-	-1	-8	-1.7	-1.9	1.6	1.2
1987 ---	-1.3	5	-1.2	-8	1.9	7	2	9	2.0	1.8	2.2	2.9
1988 ---	2.4	1.5	-1.7	2.4	8	-1	5	2.3	2.6	2.2	1.9	-
1989 ---	2.2	4	1.7	1.6	7	-1.8	2	-2.6	-1.7	-4	-8	-2.0
1990 ---	-1.3	-4	-3.1	-6	-8	1.3	5	1.8	1.0	-2.4	-2	-1
1991 ---	-1	-9	1.0	-3	-1.0	-2	-7	-1.9	-1.5	-2.9	-7	-1.5
<b>PRIMARY METAL INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 760	8 006	8 081	7 957	7 830	7 575	7 572	7 326	7 184	7 131	7 028	6 854
1983 ---	6 714	6 874	6 818	7 221	7 240	6 996	6 677	6 535	6 394	6 247	6 445	5 925
1984 ---	6 075	6 345	6 467	6 632	6 796	6 627	6 467	6 385	6 427	6 259	6 205	6 323
1985 ---	6 280	6 247	6 370	6 465	6 439	6 395	6 262	6 191	6 170	6 014	6 228	6 040
1986 ---	6 045	6 179	6 135	6 282	6 283	6 172	5 925	5 579	5 316	5 114	5 132	5 221
1987 ---	5 214	5 043	5 083	5 308	5 273	5 103	5 124	5 176	5 140	5 140	5 233	5 051
1988 ---	5 218	5 475	5 570	5 611	5 707	5 458	5 533	5 533	5 599	5 723	5 791	5 837
1989 ---	6 168	6 396	6 260	6 400	6 641	6 582	6 637	6 422	6 397	6 311	6 467	6 360
1990 ---	6 590	6 812	6 621	6 808	6 896	6 765	6 691	6 684	6 788	6 776	6 858	6 747
1991 ---	6 783	6 820	6 799	6 734	6 630	6 471	6 348	6 232	6 200	6 176	6 261	6 181
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 988	7 983	7 902	7 651	7 509	7 434	7 539	7 443	7 344	7 283	7 175	7 026
1983 ---	6 919	6 866	6 672	6 944	6 937	6 842	6 644	6 627	6 521	6 401	6 588	6 102
1984 ---	6 252	6 335	6 348	6 376	6 502	6 457	6 434	6 466	6 543	6 438	6 340	6 531
1985 ---	6 438	6 222	6 280	6 226	6 162	6 236	6 231	6 264	6 273	6 192	6 353	6 247
1986 ---	6 154	6 128	6 070	6 068	6 029	6 037	5 903	5 647	5 409	5 272	5 227	5 405
1987 ---	5 273	4 970	5 031	5 137	5 068	5 035	5 090	5 198	5 268	5 286	5 318	5 224
1988 ---	5 241	5 375	5 525	5 451	5 494	5 384	5 531	5 622	5 700	5 870	5 868	6 016
1989 ---	6 175	6 268	6 219	6 245	6 406	6 521	6 654	6 533	6 505	6 449	6 544	6 518
1990 ---	6 578	6 677	6 582	6 666	6 669	6 720	6 721	6 804	6 897	6 910	6 928	6 878
1991 ---	6 765	6 688	6 761	6 606	6 424	6 432	6 381	6 350	6 301	6 297	6 324	6 288
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1	-1.0	-3.2	-1.9	-1.0	1.4	-1.3	-1.3	-8	-1.5	-2.1
1983 ---	-1.5	-8	-2.8	4.1	-1	-1.4	-2.9	-3	-1.6	-1.8	2.9	-7.4
1984 ---	2.5	1.3	2	4	2.0	-7	-4	5	1.2	-1.6	-1.5	3.0
1985 ---	-1.4	-3.4	9	-9	-1.0	1.2	5	1	-1.3	2.6	-1.7	-3.4
1986 ---	-1.5	-4	-9	-	-6	1	-2.2	-4.3	-4.2	-2.5	-9	3.4
1987 ---	-2.4	-5.7	1.2	2.1	-1.3	-7	1.1	2.1	1.3	3	6	-1.8
1988 ---	3	2.6	2.8	-1.3	8	-2.0	2.7	1.6	1.4	3.0	-	2.5
1989 ---	2.6	1.5	-8	4	2.6	1.8	2.0	-1.8	-4	-9	1.5	-4
1990 ---	9	1.5	-1.4	1.3	-	8	-	1.2	1.4	2	3	-7
1991 ---	-1.6	-1.1	1.1	-2.3	-2.8	1	-8	-5	-8	-1	4	-6

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>FABRICATED METAL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	23 835	24 076	24 067	24 023	23 955	23 780	23 188	22 934	22 518	22 120	21 339	21 098
1983	21 133	21 295	21 255	21 421	21 483	21 538	21 453	21 539	21 232	21 030	21 196	21 418
1984	21 758	22 174	22 419	22 581	22 752	23 092	22 657	22 645	22 721	22 867	22 993	22 955
1985	23 038	23 165	23 396	23 305	22 991	23 115	22 344	22 311	22 229	22 715	22 470	22 541
1986	22 577	22 677	22 758	23 033	22 909	22 936	22 507	22 299	22 113	21 920	21 691	21 754
1987	22 056	22 221	22 533	22 485	22 432	22 405	22 229	22 165	22 311	22 404	22 433	22 555
1988	23 135	23 501	23 514	23 961	24 031	23 866	23 685	24 022	24 278	24 223	24 354	24 381
1989	25 068	25 162	25 606	25 706	25 706	25 408	25 640	25 634	25 359	25 202	25 174	24 652
1990	25 684	25 644	25 465	25 489	25 294	24 888	24 789	24 758	24 511	24 721	24 574	24 128
1991	24 508	24 821	24 507	24 297	23 879	23 507	23 001	22 938	22 736	22 719	22 805	22 297
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	23 908	23 826	23 662	23 590	23 520	23 357	23 101	23 059	22 969	22 557	21 852	21 438
1983	21 199	21 086	20 918	21 041	21 101	21 141	21 389	21 655	21 551	21 352	21 631	21 752
1984	21 833	22 014	22 123	22 238	22 419	22 692	22 616	22 735	22 994	23 156	23 388	23 329
1985	23 108	23 035	23 102	22 955	22 712	22 712	22 322	22 450	22 499	23 007	22 806	22 906
1986	22 615	22 587	22 494	22 705	22 592	22 593	22 511	22 433	22 348	22 170	21 980	22 113
1987	22 065	22 137	22 291	22 182	22 139	22 141	22 260	22 300	22 522	22 644	22 695	22 928
1988	23 116	23 395	23 261	23 639	23 720	23 653	23 737	24 142	24 485	24 463	24 599	24 794
1989	25 029	25 004	25 313	25 347	25 384	25 244	25 720	25 763	25 597	25 450	25 414	25 071
1990	25 641	25 450	25 184	25 147	24 992	24 751	24 877	24 877	24 743	24 960	24 793	24 551
1991	24 456	24 588	24 212	23 944	23 590	23 391	23 089	23 041	22 954	22 937	22 998	22 693
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-3	-7	-3	-3	-7	-1.1	-2	-4	-18	-3.1	-1.9
1983	-1.1	-5	-8	.6	.3	.2	1.2	1.2	-5	-9	1.3	.6
1984	.4	.8	.5	.5	.8	1.2	.3	.5	1.1	.7	1.0	-3
1985	-9	-3	.3	-6	-1.3	.3	-1.7	.6	2	2.3	-9	.4
1986	-1.3	-1	-4	.9	.5	.3	-1.7	-3	-4	-8	-9	.6
1987	-2	.3	.7	.5	.2	.5	.5	2	1.0	.5	.2	1.0
1988	.8	1.2	-6	1.6	.3	.3	.4	1.7	1.4	-1	.6	.8
1989	.9	-1	1.2	.1	.1	-6	1.9	.2	-6	-1	-1	-1.3
1990	2.3	-7	-1.0	-1	-6	-1.0	.5	-	-5	.9	-7	-1.0
1991	-4	.5	-1.5	-1.1	-1.5	-8	-1.3	-2	-4	-1	.3	-1.3
<b>FABRICATED METAL PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	8 970	8 736	8 772	8 680	8 577	8 442	8 375	8 275	8 229	8 135	7 804	7 830
1983	7 844	7 811	7 690	7 794	7 836	7 746	7 858	8 028	8 015	7 919	7 897	8 063
1984	8 126	8 237	8 300	8 401	8 434	8 551	8 651	8 634	8 652	8 616	8 617	8 665
1985	8 475	8 366	8 466	8 476	8 224	8 264	8 149	8 317	8 264	8 424	8 164	8 318
1986	8 234	8 183	8 194	8 148	8 149	8 360	8 271	8 083	7 962	7 779	7 761	7 851
1987	7 910	7 825	7 824	7 883	7 837	7 906	7 893	7 868	8 048	7 969	7 925	7 990
1988	8 557	8 575	8 528	8 687	8 694	8 817	8 888	9 113	8 984	8 851	9 006	9 142
1989	9 473	9 424	9 562	9 369	9 297	9 225	9 440	9 507	9 341	9 202	9 092	9 049
1990	9 230	9 072	8 964	8 915	8 868	8 789	8 937	8 940	8 859	8 885	8 712	8 725
1991	8 824	8 844	8 782	8 525	8 236	8 203	8 195	8 223	8 152	8 138	8 180	8 078
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	8 964	8 667	8 697	8 626	8 548	8 440	8 312	8 262	8 257	8 220	7 965	7 843
1983	7 831	7 756	7 645	7 744	7 815	7 740	7 794	8 009	8 019	7 984	8 028	8 070
1984	8 103	8 206	8 282	8 365	8 437	8 547	8 583	8 593	8 642	8 687	8 737	8 670
1985	8 434	8 354	8 457	8 447	8 235	8 252	8 078	8 281	8 263	8 521	8 265	8 315
1986	8 177	8 185	8 188	8 133	8 174	8 346	8 205	8 037	7 953	7 878	7 855	7 842
1987	7 843	7 827	7 814	7 884	7 873	7 895	7 837	7 822	8 039	8 077	8 019	8 380
1988	8 478	8 566	8 501	8 694	8 734	8 805	8 840	9 059	8 975	8 963	9 112	9 130
1989	9 382	9 398	9 506	9 381	9 348	9 223	9 401	9 451	9 347	9 309	9 200	9 033
1990	9 139	9 038	8 901	8 941	8 929	8 796	8 912	8 882	8 867	8 974	8 806	8 711
1991	8 736	8 799	8 702	8 545	8 296	8 219	8 179	8 164	8 164	8 213	8 262	8 069
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-3.3	.3	-.8	-.9	-1.3	-1.5	-.6	-.1	-.4	-3.1	-1.5
1983	-.2	-1.0	-1.4	1.3	.9	-1.0	.7	2.8	.1	-.4	.6	.5
1984	.4	1.3	.9	1.0	.9	1.3	.4	.1	.6	.5	.6	-.8
1985	-2.7	-.9	1.2	-.1	-2.5	.2	-2.1	2.5	-2	3.1	-3.0	.6
1986	-1.7	.1	-.7	-.7	.5	2.1	-1.7	-2.0	-1.0	-.9	-.3	-.2
1987	-.1	-.2	-.2	.9	-.1	.3	-.7	-.2	2.8	.5	-.7	4.5
1988	1.2	1.0	-.8	2.3	.5	.8	.4	2.5	-.9	-.1	1.7	.2
1989	2.8	.2	1.1	-1.3	-.4	-1.3	1.9	.5	-1.1	-.4	-1.2	-1.8
1990	1.2	-1.1	-1.5	.4	-.1	-1.5	1.3	-.3	-.2	1.2	-1.9	-1.1
1991	.3	.7	-1.1	-1.8	-2.9	-.9	-.5	-.2	-.6	.6	.6	-2.3

See footnotes at end of table.



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
FABRICATED METAL PRODUCTS, TOTAL—WORK-IN-PROCESS												
Not Seasonally Adjusted—Millions of Dollars												
1982 ---	8 187	8 443	8 483	8 416	8 360	8 286	8 066	7 913	7 775	7 556	7 185	7 023
1983 ---	7 123	7 218	7 312	7 315	7 398	7 422	7 363	7 417	7 371	7 194	7 164	7 103
1984 ---	7 268	7 414	7 633	7 689	7 810	7 921	7 853	7 757	7 873	7 931	7 942	7 610
1985 ---	7 792	7 825	7 958	7 814	7 782	7 804	7 715	7 590	7 699	7 904	7 921	7 597
1986 ---	7 591	7 724	7 795	8 017	7 970	7 891	7 826	7 771	7 848	7 742	7 629	7 508
1987 ---	7 671	7 903	8 081	8 005	7 937	7 819	7 634	7 711	7 874	7 991	8 016	7 728
1988 ---	7 900	8 146	8 160	8 322	8 383	8 078	8 024	8 162	8 388	8 556	8 415	8 290
1989 ---	8 336	8 472	8 610	8 810	8 749	8 481	8 595	8 574	8 574	8 622	8 744	8 317
1990 ---	8 709	8 674	8 598	8 687	8 547	8 237	8 149	8 264	8 146	8 144	8 226	8 089
1991 ---	8 072	8 094	7 843	7 765	7 793	7 621	7 649	7 598	7 602	7 483	7 510	7 085
Seasonally Adjusted—Millions of Dollars												
1982 ---	8 280	8 424	8 306	8 249	8 176	8 109	7 960	7 923	7 861	7 636	7 397	7 290
1983 ---	7 217	7 215	7 161	7 177	7 234	7 271	7 269	7 439	7 403	7 230	7 329	7 375
1984 ---	7 384	7 429	7 495	7 563	7 659	7 778	7 778	7 782	7 870	7 939	8 068	7 905
1985 ---	7 933	7 842	7 826	7 684	7 632	7 682	7 669	7 647	7 689	7 895	8 003	7 881
1986 ---	7 726	7 738	7 678	7 877	7 819	7 808	7 819	7 844	7 836	7 708	7 666	7 771
1987 ---	7 794	7 905	7 979	7 855	7 791	7 790	7 666	7 792	7 864	7 950	8 018	7 979
1988 ---	8 002	8 130	8 070	8 154	8 229	8 093	8 093	8 242	8 378	8 513	8 378	8 547
1989 ---	8 416	8 431	8 529	8 622	8 596	8 539	8 695	8 649	8 572	8 585	8 686	8 564
1990 ---	8 765	8 619	8 543	8 512	8 413	8 314	8 249	8 323	8 143	8 114	8 151	8 332
1991 ---	8 106	8 026	7 798	7 600	7 675	7 704	7 741	7 644	7 601	7 464	7 433	7 300
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	1.7	-1.4	-7	-9	-8	-1.8	-5	-8	-2.9	-3.1	-1.4
1983 ---	-1.0	-	-7	-2	-8	-5	-	2.3	-5	-2.3	1.4	6
1984 ---	.1	.6	-	.9	1.3	1.6	-	.1	1.1	.9	1.6	-2.0
1985 ---	.4	-1.1	-2	-1.8	-7	-7	-2	-3	-5	2.7	1.4	-1.5
1986 ---	-2.0	.2	-8	2.6	-7	-1	-	.3	-1	-1.6	-9	1.4
1987 ---	.3	1.4	.9	-1.6	-8	-1.6	-	1.6	.9	1.1	-1.6	2.0
1988 ---	.3	1.6	-7	1.0	-9	-1.7	-	1.8	1.7	1.6	-1.6	2.0
1989 ---	-1.5	.2	1.2	1.1	-3	-7	1.8	-5	-9	.2	1.2	-1.4
1990 ---	2.3	-1.7	-9	-4	-1.2	-1.2	-8	9	-2.2	-4	.5	2.2
1991 ---	-2.7	-1.0	-2.8	-2.5	1.0	.4	.5	-1.3	-6	-1.8	-4	-1.8
FABRICATED METAL PRODUCTS, TOTAL—FINISHED GOODS												
Not Seasonally Adjusted—Millions of Dollars												
1982 ---	6 678	6 897	6 812	6 927	7 018	7 052	6 747	6 746	6 514	6 429	6 350	6 245
1983 ---	6 166	6 266	6 253	6 312	6 249	6 370	6 232	6 094	5 846	5 917	6 135	6 250
1984 ---	6 364	6 523	6 486	6 491	6 508	6 620	6 153	6 254	6 196	6 320	6 434	6 680
1985 ---	6 771	6 974	6 972	7 015	6 985	7 047	6 480	6 404	6 266	6 387	6 385	6 626
1986 ---	6 752	6 770	6 769	6 868	6 790	6 685	6 410	6 445	6 303	6 399	6 301	6 395
1987 ---	6 475	6 493	6 628	6 597	6 658	6 680	6 702	6 586	6 389	6 444	6 492	6 437
1988 ---	6 678	6 780	6 826	6 952	6 954	6 971	6 773	6 747	6 906	6 816	6 933	6 949
1989 ---	7 259	7 266	7 434	7 527	7 660	7 702	7 605	7 552	7 444	7 378	7 338	7 286
1990 ---	7 745	7 898	7 903	7 887	7 879	7 862	7 703	7 554	7 506	7 692	7 636	7 314
1991 ---	7 612	7 883	7 882	8 007	7 850	7 683	7 157	7 117	6 982	7 098	7 115	7 134
Seasonally Adjusted—Millions of Dollars												
1982 ---	6 664	6 735	6 659	6 715	6 796	6 808	6 829	6 874	6 851	6 701	6 490	6 305
1983 ---	6 151	6 115	6 112	6 120	6 052	6 130	6 326	6 207	6 129	6 138	6 274	6 307
1984 ---	6 346	6 379	6 346	6 310	6 323	6 367	6 255	6 360	6 482	6 530	6 583	6 754
1985 ---	6 741	6 839	6 819	6 824	6 788	6 778	6 575	6 522	6 547	6 591	6 538	6 710
1986 ---	6 712	6 664	6 628	6 695	6 599	6 439	6 487	6 552	6 559	6 584	6 459	6 500
1987 ---	6 428	6 405	6 498	6 443	6 475	6 456	6 757	6 686	6 619	6 617	6 658	6 569
1988 ---	6 636	6 699	6 690	6 791	6 757	6 755	6 804	6 841	7 132	6 987	7 109	7 117
1989 ---	7 231	7 175	7 278	7 344	7 440	7 482	7 624	7 663	7 678	7 556	7 528	7 474
1990 ---	7 737	7 793	7 740	7 694	7 650	7 641	7 716	7 672	7 733	7 872	7 836	7 508
1991 ---	7 614	7 763	7 712	7 799	7 619	7 468	7 169	7 233	7 189	7 260	7 303	7 324
Seasonally Adjusted—Percent Change From Previous Period												
1982 ---	(X)	1.1	-1.1	.8	1.2	.2	.3	.7	-.3	-2.2	-3.1	-2.9
1983 ---	-2.4	-.6	-	.1	-1.1	1.3	3.2	-1.9	-1.3	.1	2.2	.5
1984 ---	.6	.5	-.5	-.6	-.2	-.7	-1.8	1.7	1.9	.7	.8	2.6
1985 ---	-.2	1.5	-.3	-.1	-.5	-.1	-3.0	-.8	.4	.7	-.8	2.6
1986 ---	-.7	-.7	-.5	1.0	-1.4	-2.4	-.7	1.0	.1	.4	-1.9	.6
1987 ---	-1.1	-.4	1.5	-.8	.5	-.3	4.7	-1.1	-1.0	-.7	.6	-1.3
1988 ---	1.0	.9	-.1	1.5	-.5	-.7	-.5	.5	4.3	-2.0	1.7	.1
1989 ---	1.6	-.8	1.4	.9	1.3	.6	1.9	.5	.2	-1.6	-.4	-.7
1990 ---	3.5	-.7	-.7	-.6	-.6	-.1	1.0	-.6	.8	1.8	-.5	-4.2
1991 ---	1.4	2.0	-.7	1.1	-2.3	-2.0	-4.0	.9	-.6	1.0	.6	.3

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	50 134	50 797	50 793	51 387	51 574	50 914	50 546	50 005	49 086	49 152	48 252	47 024
1983	46 787	47 090	46 411	46 330	46 400	45 734	44 947	44 773	44 407	44 314	44 438	43 710
1984	44 256	44 995	45 215	46 120	46 630	46 611	47 015	48 060	47 666	48 267	48 483	47 802
1985	48 952	49 559	49 099	49 477	49 369	48 654	48 434	48 220	47 378	46 983	46 479	45 619
1986	45 876	46 022	45 600	45 233	45 130	44 000	43 783	43 577	43 120	43 035	42 992	41 590
1987	41 891	42 375	42 115	42 621	42 712	42 195	42 199	42 457	41 667	42 267	42 611	42 279
1988	43 136	44 001	44 121	44 580	45 106	44 948	45 529	46 110	46 150	46 523	46 949	46 515
1989	48 083	48 690	48 551	48 846	49 233	49 006	49 578	49 956	49 498	49 904	50 155	48 724
1990	49 849	50 497	49 583	50 089	50 393	49 265	49 580	49 744	49 327	49 595	49 751	48 024
1991	49 119	50 001	49 238	49 581	49 512	48 004	48 244	48 212	47 560	47 626	47 262	45 309
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	50 232	50 214	50 208	50 586	50 695	50 540	50 545	50 165	49 656	49 822	48 812	47 891
1983	46 939	46 598	45 983	45 688	45 664	45 500	44 943	44 806	44 828	44 751	44 866	44 561
1984	44 448	44 548	44 874	45 550	45 950	46 451	47 001	48 000	48 063	48 596	48 833	48 729
1985	49 198	49 142	48 811	48 927	48 728	48 570	48 408	48 103	47 746	47 205	46 701	46 488
1986	46 064	45 648	45 398	44 783	44 626	43 991	43 747	43 444	43 452	43 207	43 131	42 392
1987	42 023	42 024	41 962	42 228	42 273	42 237	42 137	42 303	41 979	42 395	42 691	43 135
1988	43 262	43 601	43 997	44 181	44 643	45 054	45 461	45 926	46 485	46 614	46 976	47 493
1989	48 220	48 216	48 463	48 442	48 717	49 187	49 515	49 746	49 821	49 978	50 147	49 764
1990	49 946	49 968	49 527	49 700	49 854	49 503	49 546	49 526	49 611	49 639	49 714	49 118
1991	49 221	49 498	49 210	49 219	48 984	48 242	48 211	47 981	47 798	47 634	47 205	46 406
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-	-	.8	.2	-.3	-	-.8	-1.0	.3	-2.0	-1.9
1983	-2.0	-.7	-1.3	-.6	-.1	-.4	-1.2	-.3	-	-.2	.3	-.7
1984	-.3	.2	.7	1.5	.9	1.1	1.2	2.1	-.1	1.1	.5	-.2
1985	1.0	-.1	-.7	.2	-.4	-.3	-.3	-.6	-.7	-.1	-.1	-.5
1986	-.9	-.9	-.5	-.1	-.4	-.1	-.6	-.7	-	-.6	-.2	-.1
1987	-.9	-	-.1	.6	.1	-.1	-.2	-.4	-.8	1.0	.7	1.0
1988	.3	.8	.9	.4	1.0	.9	.9	1.0	1.2	.3	.8	1.1
1989	1.5	-	.5	-	.6	1.0	.7	.5	.2	.3	.3	-.8
1990	.4	-	-.9	.3	.3	-.7	-.1	-	.2	-.1	.2	-1.2
1991	.2	.6	-.6	-	-.5	-1.5	-.1	-.5	-.4	-.3	-.9	-1.7
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	14 123	14 302	14 063	14 053	13 978	13 833	13 747	13 593	13 217	13 482	13 226	12 967
1983	12 852	12 843	12 761	12 880	12 957	12 738	12 573	12 420	12 323	12 322	12 495	12 300
1984	12 590	12 699	12 844	13 046	13 295	13 102	13 751	13 831	13 924	13 528	13 322	13 488
1985	13 650	13 551	13 481	13 635	13 513	13 477	13 428	13 351	12 881	12 914	12 757	12 576
1986	12 389	12 295	11 786	11 968	11 770	11 782	11 681	11 747	11 770	11 548	11 548	11 526
1987	11 601	11 529	11 420	11 672	11 603	11 714	11 709	11 692	11 662	11 874	12 008	12 129
1988	12 210	12 398	12 497	12 709	12 794	12 818	13 295	13 537	13 760	13 961	13 689	13 586
1989	14 228	14 291	14 365	14 289	14 280	14 251	14 539	14 593	14 600	14 910	14 682	14 191
1990	14 655	14 572	14 182	14 206	14 203	14 221	14 280	14 272	14 282	14 457	14 503	14 317
1991	14 778	14 505	14 394	14 394	14 222	13 866	13 941	13 945	13 698	13 561	13 403	13 192
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	14 120	14 270	13 981	13 885	13 848	13 784	13 684	13 636	13 376	13 565	13 345	13 044
1983	12 842	12 821	12 723	12 754	12 844	12 709	12 509	12 419	12 419	12 394	12 617	12 389
1984	12 573	12 669	12 837	12 938	13 193	13 085	13 670	13 794	14 004	13 596	13 449	13 576
1985	13 621	13 520	13 507	13 546	13 458	13 485	13 349	13 295	12 922	12 960	12 873	12 637
1986	12 341	12 259	11 832	11 904	11 770	11 809	11 623	11 690	11 795	11 570	11 623	11 579
1987	11 541	11 492	11 468	11 627	11 635	11 753	11 657	11 633	11 676	11 878	12 064	12 196
1988	12 131	12 353	12 546	12 670	12 844	12 878	13 249	13 466	13 772	13 939	13 728	13 678
1989	14 119	14 235	14 413	14 266	14 341	14 340	14 498	14 521	14 599	14 879	14 714	14 292
1990	14 505	14 515	14 218	14 199	14 269	14 332	14 255	14 195	14 271	14 417	14 523	14 444
1991	14 618	14 461	14 428	14 400	14 288	13 985	13 923	13 865	13 675	13 513	13 421	13 325
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	1.1	-2.0	-.7	-.3	-.5	-.7	-.4	-1.9	1.4	-1.6	-2.3
1983	-1.5	-.2	-.8	.2	.7	-.1	-.1	-.7	-	-.2	1.8	-1.8
1984	1.5	.8	1.3	.8	2.0	-.8	.4	.9	1.5	-2.9	-.1	.9
1985	.3	-.7	-.1	.3	-.6	.2	-.1	-.4	-2.8	.3	-.7	-1.8
1986	-2.3	-.7	-3.5	.6	-.1	.3	-.1	.6	-.9	-.1	.5	-.4
1987	-.3	-.4	-.2	1.4	.1	1.0	-.8	-.2	.4	.1	1.6	1.1
1988	-.5	1.8	1.6	1.0	1.4	.3	2.9	1.6	2.3	1.2	-1.5	-.4
1989	3.2	.8	1.3	-1.0	.5	-.3	1.1	.2	.5	1.9	-1.1	-2.9
1990	1.5	.1	-2.0	-.1	.5	.4	-.5	-.4	.5	1.0	.7	-.5
1991	1.2	-1.1	-.2	-.2	-.8	-2.1	-.4	-.4	-1.4	-1.2	-.7	-.7

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	21 378	21 266	21 095	21 280	21 115	20 758	20 473	20 336	19 951	20 010	19 634	18 870
1983 ---	19 001	19 323	18 838	18 686	18 695	18 222	17 842	17 951	17 950	18 178	18 038	17 724
1984 ---	17 897	18 295	18 772	19 193	19 335	19 497	19 298	20 070	19 714	20 285	20 401	19 924
1985 ---	20 388	20 846	20 577	20 486	20 239	19 796	20 050	20 227	20 294	20 000	19 576	19 311
1986 ---	19 839	19 754	19 709	19 537	19 145	18 894	18 522	18 832	18 415	18 420	18 197	17 347
1987 ---	17 253	17 682	17 839	17 885	17 950	18 080	17 859	18 035	18 270	18 195	18 108	17 494
1988 ---	17 809	18 385	18 579	18 516	18 895	18 924	18 779	19 108	19 310	19 100	19 669	19 068
1989 ---	19 513	19 909	20 161	20 578	20 934	20 858	21 020	21 493	21 081	20 788	21 164	20 546
1990 ---	21 075	20 899	20 671	20 852	20 969	20 061	20 376	20 465	20 871	20 733	20 729	19 579
1991 ---	19 833	20 437	20 404	20 047	20 598	20 309	20 253	20 053	20 001	20 202	20 249	18 969
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	21 318	20 910	20 798	20 996	20 820	20 835	20 717	20 360	20 133	20 103	19 742	19 273
1983 ---	19 023	19 040	18 591	18 446	18 476	18 288	18 045	17 925	18 058	18 185	18 114	18 145
1984 ---	17 996	18 063	18 537	18 966	19 151	19 536	19 486	20 002	19 767	20 218	20 446	20 430
1985 ---	20 590	20 672	20 338	20 275	20 091	19 804	20 221	20 119	20 292	19 890	19 566	19 833
1986 ---	20 086	19 647	19 516	19 373	19 019	18 881	18 636	18 710	18 348	18 317	18 154	17 848
1987 ---	17 512	17 636	17 695	17 750	17 808	18 053	17 928	17 907	18 169	18 099	18 025	18 037
1988 ---	18 118	18 360	18 470	18 379	18 694	18 901	18 811	18 990	19 171	18 991	19 531	19 678
1989 ---	19 888	19 908	20 085	20 431	20 654	20 853	21 027	21 385	20 918	20 679	20 975	21 191
1990 ---	21 469	20 908	20 629	20 709	20 663	20 082	20 360	20 382	20 701	20 625	20 514	20 209
1991 ---	20 217	20 473	20 388	19 909	20 284	20 342	20 224	19 970	19 830	20 094	20 029	19 585
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.9	-5	1.0	-8	-1	-6	-1.7	-1.1	-1	-1.8	-2.4
1983 ---	-1.3	.1	-2.4	-8	.2	-1.0	-1.3	-7	.7	-4	.2	
1984 ---	-8	.4	2.6	2.3	1.0	-3	2.6	-1.2	2.3	1.1	-1	
1985 ---	8	.4	-1.6	-3	-9	-1.4	2.1	-5	.8	-1.9	-1.6	1.4
1986 ---	1.3	-2.2	-7	-7	-1.8	-7	-1.3	4	-1.9	-2	-9	-1.7
1987 ---	-1.9	.7	.3	.3	.3	1.4	-7	-1	1.5	-4	-4	.1
1988 ---	.4	1.3	.6	-5	1.7	1.1	-5	1.0	1.0	-9	2.8	.8
1989 ---	1.1	.1	.9	1.7	1.1	1.0	.8	1.7	-2.2	-1.1	1.4	1.0
1990 ---	1.3	-2.6	-1.3	.4	-2	-2.8	1.4	.1	1.6	-4	-5	-1.5
1991 ---	-	1.3	-4	-2.3	1.9	.3	-6	-1.3	-7	1.3	-3	-2.2
<b>INDUSTRIAL MACHINERY AND EQUIPMENT, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 633	15 229	15 635	16 054	16 481	16 323	16 326	16 076	15 918	15 660	15 392	15 187
1983 ---	14 934	14 924	14 812	14 764	14 748	14 774	14 532	14 402	14 134	13 814	13 905	13 686
1984 ---	13 769	14 001	13 599	13 881	14 000	14 012	13 966	14 159	14 028	14 454	14 760	14 390
1985 ---	14 914	15 162	15 041	15 356	15 617	15 381	14 956	14 642	14 203	14 069	14 136	13 732
1986 ---	13 648	13 973	14 105	13 728	14 215	13 324	13 580	12 998	12 935	13 067	13 244	12 717
1987 ---	13 037	13 164	12 856	13 064	13 159	12 401	12 631	12 730	11 735	12 198	12 495	12 656
1988 ---	13 117	13 218	13 045	13 355	13 417	13 206	13 455	13 465	13 080	13 462	13 591	13 861
1989 ---	14 342	14 490	14 025	13 979	14 019	13 897	14 019	13 870	13 817	14 206	14 309	13 991
1990 ---	14 119	15 026	14 730	15 031	15 221	14 983	14 924	15 007	14 174	14 405	14 519	14 128
1991 ---	14 508	15 059	14 440	15 140	14 692	13 829	14 050	14 214	13 861	13 863	13 610	13 148
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	14 794	15 034	15 429	15 705	16 027	15 921	16 144	16 169	16 147	16 154	15 725	15 574
1983 ---	15 074	14 737	14 669	14 488	14 344	14 503	14 389	14 462	14 351	14 172	14 135	14 027
1984 ---	13 879	13 816	13 500	13 646	13 606	13 830	13 845	14 204	14 292	14 782	14 938	14 723
1985 ---	14 987	14 950	14 966	15 106	15 179	15 281	14 838	14 689	14 542	14 355	14 262	14 018
1986 ---	13 637	13 742	14 050	13 506	13 837	13 301	13 488	13 044	13 309	13 320	13 354	12 965
1987 ---	12 970	12 896	12 799	12 851	12 830	12 431	12 552	12 763	12 134	12 418	12 602	12 902
1988 ---	13 013	12 888	12 981	13 132	13 105	13 275	13 401	13 470	13 542	13 684	13 717	14 137
1989 ---	14 213	14 073	13 965	13 745	13 722	13 994	13 990	13 840	14 304	14 420	14 458	14 281
1990 ---	13 972	14 545	14 680	14 792	14 922	15 089	14 931	14 949	14 639	14 597	14 677	14 465
1991 ---	14 386	14 564	14 394	14 910	14 412	13 915	14 064	14 146	14 293	14 027	13 755	13 496
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.6	2.6	1.8	2.1	-7	1.4	.2	-1	-	-2.7	-1.0
1983 ---	-3.2	-2.2	-5	-1.2	-1.0	1.1	-8	.5	-8	-1.2	-3	-8
1984 ---	-1.1	-5	-2.3	1.1	-3	1.6	.1	2.6	.6	3.4	1.1	-1.4
1985 ---	1.8	-2	.1	.9	.5	.7	-2.9	-1.0	-1.0	-1.3	-6	-1.7
1986 ---	-2.7	.8	2.2	-3.9	2.5	-3.9	1.4	-3.3	2.0	.1	.3	-2.9
1987 ---	-	-6	-8	.4	-2	-3.1	1.0	1.7	-4.9	2.3	1.5	2.4
1988 ---	.9	-1.0	.7	1.2	-2	1.3	.9	.5	.5	1.0	.2	3.1
1989 ---	.5	-1.0	-8	-1.6	-2	2.0	-	-1.1	.3	.8	.3	-1.2
1990 ---	-2.2	4.1	.9	.8	.9	1.1	-1.0	.1	-2.1	-3	-3	-1.4
1991 ---	-5	1.2	-1.2	3.6	-3.3	-3.4	1.1	6	1.0	-1.9	-1.9	-1.9

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 661	25 887	26 042	26 227	26 232	26 043	25 678	25 534	25 074	25 065	24 948	24 502
1983 ---	24 608	24 660	24 712	25 080	25 416	25 658	25 367	25 604	25 461	25 728	25 778	26 277
1984 ---	26 354	27 158	27 783	28 513	29 131	29 457	29 771	30 330	30 440	31 058	31 079	30 871
1985 ---	31 407	31 732	31 918	32 236	32 532	32 513	32 211	31 996	31 347	30 878	30 158	29 791
1986 ---	29 831	29 832	29 932	30 274	30 400	30 358	30 130	29 926	29 410	29 180	28 610	27 920
1987 ---	28 293	28 578	28 830	29 214	29 577	29 483	29 326	29 313	29 116	29 262	29 220	29 087
1988 ---	29 343	29 756	29 918	30 237	30 565	30 558	30 515	30 732	30 432	30 635	30 948	30 547
1989 ---	31 255	32 029	31 996	32 666	32 880	32 453	32 739	33 043	32 429	32 718	32 553	32 229
1990 ---	32 773	33 157	33 175	33 548	33 781	33 340	33 420	33 371	32 865	32 833	32 659	31 700
1991 ---	31 963	32 127	32 170	32 549	32 519	31 999	31 990	31 698	31 197	31 081	30 796	30 052
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 966	25 882	25 860	25 767	25 616	25 575	25 493	25 470	25 339	25 318	25 391	25 094
1983 ---	24 910	24 691	24 578	24 691	24 887	25 226	25 173	25 472	25 643	25 910	26 161	26 918
1984 ---	26 702	27 265	27 704	28 135	28 559	28 973	29 494	30 107	30 587	31 229	31 527	31 632
1985 ---	31 870	31 917	31 899	31 868	31 924	31 996	31 873	31 713	31 439	30 999	30 566	30 547
1986 ---	30 293	30 024	29 946	29 940	29 815	29 864	29 811	29 656	29 506	29 309	29 023	28 635
1987 ---	28 717	28 725	28 816	28 869	28 989	29 038	29 030	29 049	29 230	29 392	29 622	29 850
1988 ---	29 765	29 859	29 892	29 881	29 959	30 154	30 240	30 489	30 579	30 755	31 320	31 537
1989 ---	31 675	32 077	31 951	32 275	32 235	32 090	32 471	32 803	32 629	32 856	32 902	33 085
1990 ---	33 198	33 160	33 121	33 151	33 125	33 008	33 155	33 134	33 067	32 955	32 966	32 544
1991 ---	32 369	32 110	32 127	32 193	31 929	31 716	31 737	31 469	31 372	31 172	31 070	30 852
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-1	-4	-6	-2	-3	-1	-5	-1	.3	-12
1983 ---	-7	-9	-5	5	8	14	-2	1.2	7	1.0	1.0	2.9
1984 ---	-8	2.1	1.6	1.6	1.5	1.4	1.8	2.1	1.6	2.1	1.0	.3
1985 ---	8	1	-1	-1	2	2	-4	-5	-9	-1.4	-1.4	-1
1986 ---	-8	-9	-3	-1	-4	2	-2	-5	-5	-7	-1.0	-1.3
1987 ---	-3	-3	-3	-2	4	2	-	1	6	6	8	8
1988 ---	-3	3	1	-	3	7	3	8	3	6	1.8	7
1989 ---	4	13	-4	1.0	-1	-4	1.2	1.0	-5	7	1	6
1990 ---	3	-1	-1	1	-1	-4	4	-1	-2	-3	-	-1.3
1991 ---	-5	-8	1	2	-8	-7	1	-8	-3	-6	-3	-7
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 504	7 378	7 298	7 506	7 293	7 152	7 222	7 040	6 873	6 865	6 818	6 753
1983 ---	6 786	6 748	6 713	6 761	6 861	6 966	6 924	7 051	7 094	7 149	7 192	7 463
1984 ---	7 502	7 710	7 780	8 037	8 137	8 323	8 555	8 692	8 699	8 759	8 815	8 943
1985 ---	8 999	9 097	9 087	9 055	8 931	8 808	8 897	8 767	8 497	8 335	8 177	8 253
1986 ---	8 167	8 265	8 427	8 557	8 661	8 608	8 940	8 830	8 852	8 702	8 674	8 739
1987 ---	8 933	8 929	8 954	9 164	9 266	9 290	9 364	9 301	9 145	9 047	8 931	9 183
1988 ---	9 164	9 225	9 305	9 406	9 455	9 426	9 575	9 636	9 584	9 663	9 739	9 779
1989 ---	9 920	10 126	10 156	10 251	10 182	10 127	10 449	10 390	10 469	10 536	10 535	10 590
1990 ---	10 784	10 743	10 749	10 746	10 716	10 478	10 704	10 543	10 391	10 421	10 406	10 150
1991 ---	10 000	10 001	9 845	9 783	9 765	9 524	9 588	9 661	9 448	9 327	9 183	9 189
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 526	7 377	7 310	7 366	7 188	7 069	7 086	6 990	6 921	6 975	7 007	6 843
1983 ---	6 810	6 744	6 719	6 647	6 787	6 907	6 798	6 992	7 126	7 251	7 359	7 555
1984 ---	7 538	7 719	7 781	7 927	8 063	8 263	8 394	8 613	8 725	8 879	9 008	9 041
1985 ---	9 060	9 127	9 080	8 956	8 856	8 753	8 725	8 683	8 513	8 444	8 349	8 341
1986 ---	8 227	8 300	8 407	8 474	8 583	8 758	8 778	8 748	8 868	8 799	8 839	8 831
1987 ---	6 992	8 960	8 923	9 084	9 186	9 264	9 209	9 224	9 166	9 125	9 082	9 278
1988 ---	9 215	9 243	9 265	9 332	9 381	9 434	9 434	9 579	9 614	9 718	9 873	9 867
1989 ---	9 961	10 126	10 109	10 176	10 110	10 171	10 317	10 346	10 514	10 575	10 651	10 679
1990 ---	10 821	10 724	10 702	10 679	10 656	10 557	10 578	10 504	10 428	10 435	10 493	10 224
1991 ---	10 030	9 976	9 802	9 738	9 733	9 618	9 476	9 633	9 475	9 324	9 251	9 247
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.0	-9	8	-2.4	-1.7	2	-1.4	-1.0	8	5	-2.3
1983 ---	-5	-1.0	-4	-1.1	2.1	1.8	-1.6	2.9	1.9	1.8	1.5	2.7
1984 ---	-2	2.4	8	1.9	1.7	2.5	1.6	2.6	1.3	1.8	1.5	4
1985 ---	2	7	-5	-1.4	-1.1	-1.2	-3	-5	-2.0	-8	-1.1	-1
1986 ---	-1.4	9	1.3	8	1.3	2.0	2	-3	1.4	-8	5	-1
1987 ---	1.8	-4	-4	1.8	1.1	8	-6	2	-6	-4	-5	2.2
1988 ---	-7	3	2	7	5	6	-	1.5	4	1.1	1.6	-1
1989 ---	1.0	1.7	-2	7	-6	6	1.4	3	1.6	6	7	3
1990 ---	1.3	-9	-2	-2	-2	-9	2	-7	-7	1	6	-2.6
1991 ---	-1.9	-5	-1.7	-7	-1	-1.2	-1.5	1.7	-1.6	-1.6	-8	-

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 276	12 453	12 465	12 427	12 524	12 518	12 262	12 309	12 098	12 105	12 166	11 988
1983 ---	12 025	12 094	12 184	12 403	12 549	12 616	12 717	12 708	12 520	12 849	12 818	12 947
1984 ---	13 019	13 412	13 641	13 828	14 112	14 231	14 356	14 747	14 923	15 333	15 351	14 946
1985 ---	15 289	15 351	15 421	15 575	15 826	15 953	16 052	16 080	15 881	15 868	15 479	15 070
1986 ---	15 139	14 876	14 627	14 491	14 322	14 020	13 706	13 628	13 186	13 103	12 588	11 842
1987 ---	11 950	12 041	11 947	12 097	12 277	12 290	12 194	12 351	12 377	12 505	12 594	12 199
1988 ---	12 392	12 581	12 520	12 642	12 757	12 832	12 905	13 085	13 025	13 062	13 169	12 910
1989 ---	13 169	13 559	13 530	13 812	13 961	13 794	13 904	14 102	13 668	13 717	13 581	13 144
1990 ---	13 260	13 538	13 492	13 722	13 762	13 567	13 654	13 636	13 522	13 402	13 272	12 910
1991 ---	13 218	13 197	13 476	13 777	13 584	13 519	13 525	13 323	13 204	13 150	13 112	12 671
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 432	12 458	12 389	12 314	12 345	12 392	12 222	12 271	12 169	12 078	12 221	12 254
1983 ---	12 157	12 117	12 140	12 326	12 396	12 496	12 670	12 631	12 551	12 783	12 842	13 251
1984 ---	13 167	13 472	13 644	13 783	13 957	14 100	14 285	14 620	14 913	15 214	15 366	15 323
1985 ---	15 480	15 442	15 484	15 559	15 674	15 812	15 958	15 898	15 819	15 723	15 487	15 486
1986 ---	15 352	14 972	14 722	14 480	14 175	13 880	13 618	13 452	13 106	12 975	12 593	12 199
1987 ---	12 131	12 107	12 034	12 080	12 140	12 167	12 107	12 172	12 290	12 405	12 615	12 602
1988 ---	12 605	12 641	12 603	12 593	12 590	12 702	12 793	12 903	12 945	12 990	13 203	13 364
1989 ---	13 411	13 610	13 598	13 715	13 753	13 654	13 763	13 913	13 605	13 684	13 630	13 637
1990 ---	13 518	13 584	13 543	13 600	13 544	13 429	13 490	13 460	13 460	13 386	13 321	13 405
1991 ---	13 475	13 239	13 521	13 652	13 379	13 395	13 348	13 153	13 142	13 137	13 163	13 154
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.2	-.6	-.6	.3	.4	-1.4	.4	-.8	-.7	1.2	-.3
1983 ---	-.8	-.3	.2	1.5	.6	.8	1.4	-.3	-.6	1.8	1.5	3.2
1984 ---	-.6	2.3	1.3	1.0	1.3	1.0	1.3	2.3	2.0	2.0	1.0	-.3
1985 ---	1.0	-.2	-.3	.5	.7	.9	-.9	-.4	-.5	-.6	-1.5	-.1
1986 ---	-.9	-2.5	-1.7	-1.6	-2.1	-2.1	-1.9	-1.2	-2.6	-1.0	-2.9	-3.1
1987 ---	-.6	-.2	-.6	-.4	.5	.2	-.5	.5	1.0	.9	1.7	-.1
1988 ---	-.4	-.3	-.3	-.1	-.9	.7	-.9	.9	.3	.3	1.6	1.2
1989 ---	.4	1.5	-.1	.9	-.3	-.7	.8	1.1	-2.2	.6	-.4	.1
1990 ---	-.9	.5	-.3	.4	-.4	-.8	-.5	-.2	-.1	-.5	-.5	.6
1991 ---	.5	-1.8	2.1	1.0	-2.0	.1	-.4	-1.5	-.1	-.1	.2	-.1
<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 881	6 056	6 279	6 294	6 415	6 373	6 194	6 185	6 103	6 095	5 964	5 761
1983 ---	5 797	5 818	5 815	5 916	6 006	6 076	5 726	5 845	5 847	5 730	5 768	5 867
1984 ---	5 833	6 036	6 362	6 648	6 882	6 903	6 860	6 891	6 818	6 966	6 913	6 982
1985 ---	7 119	7 284	7 410	7 606	7 775	7 752	7 262	7 149	6 969	6 675	6 502	6 468
1986 ---	6 525	6 691	6 878	7 226	7 417	7 530	7 484	7 468	7 372	7 375	7 348	7 339
1987 ---	7 410	7 608	7 929	7 953	8 034	7 903	7 768	7 661	7 594	7 710	7 695	7 705
1988 ---	7 787	7 950	8 093	8 189	8 353	8 300	8 035	8 011	7 823	7 910	8 040	8 044
1989 ---	8 166	8 344	8 310	8 603	8 737	8 532	8 386	8 551	8 292	8 465	8 437	8 495
1990 ---	8 729	8 876	8 934	9 080	9 303	9 295	9 062	9 192	8 952	9 010	8 981	8 640
1991 ---	8 745	8 829	8 848	8 989	9 170	8 956	8 877	8 714	8 545	8 604	8 501	8 192
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 008	6 047	6 161	6 087	6 083	6 114	6 185	6 209	6 249	6 265	6 163	5 997
1983 ---	5 943	5 830	5 719	5 718	5 704	5 823	5 705	5 849	5 966	5 876	5 960	6 112
1984 ---	5 997	6 074	6 279	6 425	6 539	6 610	6 815	6 874	6 949	7 136	7 153	7 268
1985 ---	7 330	7 348	7 335	7 353	7 394	7 431	7 190	7 132	7 107	6 832	6 730	6 720
1986 ---	6 714	6 752	6 817	6 986	7 057	7 226	7 415	7 456	7 532	7 535	7 591	7 605
1987 ---	7 594	7 658	7 859	7 705	7 663	7 607	7 714	7 653	7 774	7 862	7 925	7 970
1988 ---	7 945	7 975	8 024	7 956	7 988	8 018	8 013	8 007	8 020	8 047	8 244	8 306
1989 ---	8 303	8 341	8 244	8 384	8 372	8 265	8 391	8 544	8 510	8 597	8 621	8 769
1990 ---	8 859	8 852	8 876	8 872	8 925	9 022	9 087	9 170	9 179	9 134	9 152	8 915
1991 ---	8 864	8 895	8 804	8 803	8 817	8 703	8 913	8 683	8 755	8 711	8 656	8 451
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.6	1.9	-1.2	-.1	.5	1.2	.4	.6	.3	-1.6	-2.7
1983 ---	-.9	-1.9	-1.9	-.2	-.2	2.1	-2.0	2.5	2.0	-1.5	1.4	2.6
1984 ---	-1.9	1.3	3.4	2.3	1.8	1.1	3.1	2.9	1.1	2.7	2	1.6
1985 ---	.9	.2	-.2	.2	.6	.5	-.3	-.8	-.4	-3.9	-1.5	-.1
1986 ---	-.1	.6	1.0	2.5	1.0	2.4	2.6	-.6	1.0	-.7	-.2	.6
1987 ---	-.1	.8	2.6	-2.0	-.5	-.7	1.4	-.8	1.6	1.1	-.8	-.6
1988 ---	-.3	.4	.6	-.8	-.4	-.4	-.1	-.1	.2	.3	2.4	.8
1989 ---	-.5	-.5	-1.2	1.7	-.1	-1.3	1.5	1.8	-.4	1.0	.3	1.7
1990 ---	1.0	-.1	.3	-.1	.6	1.1	.7	.9	.1	-.5	.2	-2.6
1991 ---	-.6	.3	-1.0	-.1	-.2	-1.3	2.4	-2.6	.8	-.5	-.6	-2.4

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TRANSPORTATION EQUIPMENT, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	39 765	40 312	40 261	40 524	40 298	40 342	40 642	41 580	41 798	42 285	42 268	42 282
1983 ---	42 172	42 747	42 039	41 985	42 454	41 685	41 712	42 640	42 698	43 110	43 219	43 008
1984 ---	43 394	44 584	45 711	45 933	46 815	46 910	47 914	49 374	50 082	50 836	50 395	49 817
1985 ---	50 486	51 292	51 277	51 331	51 237	51 356	51 716	52 617	53 031	52 750	52 919	51 484
1986 ---	52 162	52 829	53 886	53 751	53 948	53 606	53 315	53 755	54 463	54 658	54 413	52 119
1987 ---	53 209	53 839	53 736	53 816	54 049	53 512	54 174	55 149	55 536	56 252	56 786	55 062
1988 ---	56 392	57 570	58 078	58 567	59 500	59 881	60 296	60 405	60 939	61 812	62 363	61 417
1989 ---	63 499	65 084	65 883	66 244	67 466	67 556	69 499	70 214	69 538	70 853	71 604	70 463
1990 ---	72 671	73 337	73 280	74 372	75 471	74 207	76 112	76 448	75 968	76 899	78 379	75 018
1991 ---	76 384	77 377	76 784	76 779	76 044	75 096	75 436	75 420	75 812	75 729	75 794	72 636
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	39 763	39 909	39 874	40 427	40 297	40 852	41 077	41 493	41 673	41 942	41 986	43 009
1983 ---	42 318	42 430	41 664	41 888	42 388	42 084	42 072	42 489	42 446	42 713	43 026	43 795
1984 ---	43 642	44 275	45 370	45 856	46 706	47 354	48 313	49 146	49 688	50 350	50 183	50 778
1985 ---	50 909	51 006	50 936	51 257	51 090	51 791	52 061	52 340	52 599	52 222	52 688	52 780
1986 ---	52 669	52 580	53 610	53 696	53 761	53 983	53 508	53 408	54 071	54 064	54 116	53 310
1987 ---	53 752	53 635	53 524	53 765	53 842	53 890	54 245	54 753	55 255	55 669	56 440	56 432
1988 ---	56 937	57 320	57 895	58 502	59 250	60 285	60 209	59 911	60 742	61 211	61 953	62 990
1989 ---	64 124	64 830	65 718	66 134	67 156	68 003	69 294	69 633	69 517	70 195	71 163	72 320
1990 ---	73 381	73 081	73 119	74 170	75 092	74 682	75 724	75 770	76 021	76 264	77 942	76 931
1991 ---	77 027	76 999	76 583	76 527	75 694	75 624	75 004	74 831	75 992	75 177	75 404	74 469
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.4	-.1	1.4	-.3	1.4	.6	1.0	.4	.6	1	2.4
1983 ---	-1.6	.3	-1.8	.5	1.2	-.7	-	1.0	-.1	.6	.7	1.8
1984 ---	-.3	1.5	2.5	1.1	1.9	1.4	2.0	1.7	1.1	1.3	-.3	1.2
1985 ---	.3	.2	-.1	.6	-.3	1.4	.5	.5	.7	-.7	.9	-.2
1986 ---	.2	-.2	2.0	.2	.1	.4	-.9	-.2	1.2	-.7	1	-1.5
1987 ---	.8	-.2	-.2	.5	.1	.1	-.7	-.9	1.2	.7	1.4	-.1
1988 ---	.9	.7	1.0	1.3	1.7	1.7	-.1	-.5	.9	.8	1.2	1.7
1989 ---	1.8	1.1	1.4	.6	1.5	1.3	1.9	.5	-.2	1.0	1.4	1.6
1990 ---	1.5	-.4	.1	1.4	1.2	-.5	1.4	-.1	.3	.3	2.2	-1.3
1991 ---	.1	-	-.5	-.1	-1.1	-.1	-.8	-.2	1.6	-1.1	.3	-1.2
<b>TRANSPORTATION EQUIPMENT, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 724	9 844	9 626	9 556	9 530	9 575	9 701	9 821	9 667	9 593	9 566	9 515
1983 ---	9 161	9 369	9 197	9 274	9 492	9 580	9 573	9 988	9 994	10 065	10 219	10 353
1984 ---	10 713	10 893	11 069	10 836	11 025	11 039	11 068	11 521	11 473	11 922	11 559	11 780
1985 ---	11 697	11 886	11 651	11 848	11 611	11 753	11 598	11 893	12 104	12 064	12 036	12 509
1986 ---	12 098	12 149	12 445	12 518	12 462	12 343	12 332	12 507	12 774	12 740	12 891	12 899
1987 ---	12 883	12 958	13 001	13 068	12 991	12 836	12 552	12 577	12 848	12 813	12 833	12 883
1988 ---	12 604	12 397	12 721	12 737	12 749	13 076	12 851	13 430	13 489	13 101	12 938	13 081
1989 ---	12 987	13 316	13 467	13 398	13 331	13 431	13 414	13 729	13 314	13 332	13 443	13 787
1990 ---	13 519	13 475	13 427	13 604	13 710	13 700	14 103	14 073	13 903	14 145	14 579	15 131
1991 ---	15 273	15 257	14 902	14 637	14 508	14 101	14 100	14 170	14 114	14 245	14 246	13 870
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 711	9 747	9 548	9 525	9 501	9 640	9 843	9 771	9 673	9 590	9 547	9 594
1983 ---	9 162	9 293	9 125	9 251	9 478	9 622	9 703	9 933	9 979	10 060	10 231	10 404
1984 ---	10 715	10 798	10 986	10 808	11 026	11 095	11 245	11 466	11 434	11 919	11 591	11 805
1985 ---	11 701	11 775	11 570	11 808	11 624	11 819	11 809	11 840	12 052	12 064	12 075	12 515
1986 ---	12 100	12 030	12 376	12 465	12 496	12 416	12 555	12 441	12 709	12 728	12 914	12 895
1987 ---	12 882	12 848	12 941	13 017	13 047	12 933	12 777	12 485	12 793	12 797	12 844	12 568
1988 ---	12 596	12 298	12 662	12 702	12 811	13 176	13 060	13 309	13 450	13 088	12 944	13 057
1989 ---	12 976	13 228	13 404	13 381	13 399	13 540	13 598	13 591	13 324	13 333	13 451	13 755
1990 ---	13 489	13 384	13 366	13 596	13 775	13 815	14 249	13 926	13 947	14 166	14 593	15 077
1991 ---	15 212	15 131	14 832	14 630	14 585	14 232	14 219	14 031	14 192	14 285	14 276	13 803
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.4	-2.0	-.2	-.3	1.5	2.1	-.7	-1.0	-.9	-.4	.5
1983 ---	-4.5	1.4	-1.8	1.4	2.5	1.5	1.8	2.4	.5	.8	1.7	1.7
1984 ---	3.0	.8	1.7	-1.6	2.0	.6	1.4	2.0	-.3	4.2	-2.8	1.8
1985 ---	-.9	.6	-1.7	2.1	-1.6	1.7	-.1	.3	1.8	.1	.1	3.6
1986 ---	-3.3	-.6	2.9	.7	.2	-.6	1.1	-.9	2.2	.1	1.5	-.1
1987 ---	-.1	-.3	.7	.6	.2	-.9	-1.2	-2.3	2.5	-.7	.4	-2.1
1988 ---	-.2	-2.4	3.0	.3	.9	2.8	-.9	1.9	1.1	-2.7	-1.1	.9
1989 ---	-6	1.9	1.3	-.2	.1	1.1	.4	-.1	-2.0	.1	.9	2.3
1990 ---	-1.9	-.8	-.1	1.7	1.3	.3	3.1	-2.3	.2	1.6	3.0	3.3
1991 ---	.9	-.5	-2.0	-1.4	-.3	-2.4	-.1	-1.3	1.1	.7	-.1	-3.3

See footnotes at end of table.



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TRANSPORTATION EQUIPMENT, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	24 747	25 193	25 353	25 436	25 336	25 423	25 536	26 260	26 620	27 065	27 311	27 347
1983 ---	27 558	27 725	27 302	27 183	27 477	26 656	26 793	27 402	27 458	27 719	27 625	27 307
1984 ---	27 491	28 331	29 260	29 625	30 223	30 236	31 229	32 249	32 836	33 097	32 911	32 426
1985 ---	32 831	33 313	33 636	33 438	33 595	33 694	34 298	34 624	34 975	34 573	34 762	33 198
1986 ---	34 013	34 595	35 527	35 202	35 412	35 277	35 072	35 205	35 730	35 798	34 885	33 301
1987 ---	34 166	34 525	34 354	34 207	34 448	34 141	35 155	36 134	36 179	36 694	37 108	35 840
1988 ---	36 814	38 047	38 172	38 645	39 541	39 598	40 412	39 890	40 168	41 178	41 583	41 182
1989 ---	42 197	43 289	44 453	44 978	46 051	46 373	48 165	48 594	48 265	49 354	49 794	49 101
1990 ---	51 256	51 974	52 246	53 072	53 859	53 020	54 298	54 686	54 542	55 144	55 849	51 611
1991 ---	52 768	53 575	53 765	53 804	53 215	52 880	53 355	52 945	53 556	52 945	52 918	50 847
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	24 751	24 970	25 092	25 433	25 436	25 868	25 766	26 167	26 419	26 774	27 077	27 828
1983 ---	27 698	27 576	27 041	27 183	27 500	27 022	26 960	27 243	27 161	27 373	27 460	27 863
1984 ---	27 738	28 220	29 035	29 651	30 194	30 625	31 368	31 994	32 410	32 668	32 732	33 162
1985 ---	33 262	33 260	33 411	33 490	33 525	34 059	34 333	34 299	34 510	34 100	34 597	34 060
1986 ---	34 542	34 595	35 357	35 275	35 287	35 588	34 929	34 817	35 309	35 300	34 699	34 268
1987 ---	34 755	34 571	34 238	34 273	34 288	34 378	34 873	35 716	35 839	36 199	36 922	36 967
1988 ---	37 442	38 077	38 080	38 671	39 336	39 823	39 975	39 399	39 874	40 674	41 391	42 507
1989 ---	42 945	43 350	44 370	44 928	45 780	46 600	47 605	48 026	48 068	48 788	49 608	50 694
1990 ---	52 130	52 045	52 144	52 906	53 518	53 251	53 593	54 047	54 389	54 580	55 663	53 254
1991 ---	53 634	53 604	53 617	53 580	52 894	53 115	52 631	52 381	53 470	52 452	52 796	52 431
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.9	.5	1.4	-	1.7	-4	1.6	1.0	1.3	1.1	2.8
1983 ---	-5	-4	-1.9	.5	1.2	-1.7	-2	1.0	-3	.8	.3	1.5
1984 ---	-4	1.7	2.9	2.1	1.8	1.4	2.4	2.0	1.3	.8	.2	1.3
1985 ---	.3	-	.5	.2	.1	1.6	.8	-1	.6	-1.2	1.5	-1.6
1986 ---	1.4	.2	2.2	-2	-	.8	-1.8	-3	1.4	-	-1.7	-1.2
1987 ---	1.4	-5	-1.0	.1	-	.3	1.4	2.4	.3	1.0	2.0	.1
1988 ---	1.3	1.7	-	1.6	1.7	1.2	.4	-1.4	1.2	2.0	1.8	2.7
1989 ---	1.0	.9	2.4	1.3	1.9	1.8	2.2	.9	.1	1.5	1.7	2.2
1990 ---	2.8	-2	.2	1.5	1.2	-5	.6	.8	.6	.4	2.0	-4.3
1991 ---	.7	-1	-	-1	-1.3	.4	-9	-5	2.1	-1.9	.7	-7
<b>TRANSPORTATION EQUIPMENT, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 294	5 275	5 282	5 532	5 432	5 344	5 405	5 499	5 511	5 627	5 391	5 420
1983 ---	5 453	5 653	5 540	5 528	5 485	5 449	5 346	5 250	5 246	5 326	5 375	5 348
1984 ---	5 190	5 360	5 382	5 472	5 567	5 635	5 617	5 604	5 773	5 817	5 925	5 611
1985 ---	5 958	6 093	5 990	6 045	6 031	5 909	5 820	6 100	5 952	6 113	6 121	5 777
1986 ---	6 051	6 085	5 914	6 031	6 074	5 986	5 911	6 043	5 959	6 120	6 637	5 919
1987 ---	6 160	6 356	6 381	6 541	6 610	6 535	6 467	6 438	6 509	6 745	6 845	6 639
1988 ---	6 974	7 126	7 185	7 185	7 210	7 207	7 033	7 085	7 282	7 533	7 842	7 154
1989 ---	8 315	8 479	7 963	7 867	8 084	7 752	7 920	7 891	7 959	8 167	8 367	7 575
1990 ---	7 896	7 888	7 607	7 696	7 902	7 487	7 711	7 689	7 523	7 610	7 951	8 276
1991 ---	8 343	8 545	8 117	8 338	8 321	8 115	7 981	8 305	8 142	8 539	8 630	7 919
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 301	5 192	5 234	5 469	5 360	5 344	5 468	5 555	5 581	5 578	5 362	5 587
1983 ---	5 458	5 561	5 498	5 454	5 410	5 440	5 409	5 313	5 306	5 280	5 335	5 528
1984 ---	5 189	5 257	5 349	5 397	5 486	5 634	5 700	5 686	5 844	5 763	5 860	5 811
1985 ---	5 946	5 971	5 955	5 959	5 941	5 913	5 919	6 201	6 037	6 058	6 026	5 995
1986 ---	6 027	5 955	5 877	5 956	5 978	5 999	6 024	6 150	6 053	6 056	6 503	6 147
1987 ---	6 115	6 216	6 345	6 475	6 507	6 579	6 595	6 552	6 623	6 673	6 674	6 897
1988 ---	6 899	6 945	7 153	7 129	7 103	7 286	7 174	7 203	7 418	7 449	7 618	7 426
1989 ---	8 203	8 252	7 944	7 825	7 977	7 863	8 091	8 016	8 125	8 074	8 104	7 871
1990 ---	7 762	7 652	7 609	7 668	7 799	7 616	7 882	7 797	7 685	7 518	7 686	8 600
1991 ---	8 181	8 264	8 134	8 317	8 215	8 277	8 154	8 419	8 330	8 440	8 332	8 235
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.1	.8	4.5	-2.0	-3	2.3	1.6	.5	-1	-3.9	4.2
1983 ---	-2.3	1.9	-1.1	-8	-8	.6	-6	-1.8	-1	-5	1.0	3.6
1984 ---	-6.1	1.3	1.8	.9	1.6	2.7	1.2	-2	2.8	-1.4	1.7	-8
1985 ---	2.3	.4	-3	.1	-3	-5	.1	4.8	-2.6	.3	-5	-5
1986 ---	.5	-1.2	-1.3	1.3	.4	.4	.4	2.1	-1.6	-	7.4	-5.5
1987 ---	-5	1.7	2.1	2.0	.5	1.1	.2	-7	1.1	.8	-	3.3
1988 ---	-	.7	3.0	-3	-4	2.6	-1.5	.4	3.0	.4	2.3	-2.5
1989 ---	10.5	.6	-3.7	-1.5	1.9	-1.4	2.9	-9	1.4	-6	.4	-2.9
1990 ---	-1.4	-1.4	-6	.8	1.7	-2.3	3.5	-1.1	-1.4	-2.2	2.2	11.9
1991 ---	-4.9	1.0	-1.6	2.2	-1.2	.8	-1.5	3.2	-1.1	1.3	-1.3	-1.2

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 820	17 082	17 172	17 392	17 347	17 418	17 257	17 196	17 106	16 998	16 927	16 528
1983 ---	16 604	16 597	16 644	16 993	17 197	17 075	17 078	17 212	17 153	17 186	17 279	17 251
1984 ---	17 256	17 779	18 213	18 542	18 938	19 177	19 430	19 600	19 480	19 831	19 853	19 640
1985 ---	20 103	20 582	20 846	21 207	21 320	21 477	21 548	21 551	21 472	21 542	21 416	21 007
1986 ---	21 215	21 297	21 488	21 762	22 100	22 078	22 219	22 302	22 286	22 355	22 354	21 851
1987 ---	22 083	22 369	22 268	22 546	22 931	22 904	23 039	23 200	23 257	23 293	23 423	23 015
1988 ---	23 426	23 666	23 445	23 526	23 994	23 321	23 493	23 715	23 340	23 300	23 394	24 278
1989 ---	25 067	25 610	26 060	26 633	26 814	26 679	26 749	26 952	26 499	26 526	26 378	24 689
1990 ---	25 583	26 028	26 139	26 395	26 587	26 028	26 129	26 396	25 963	26 289	26 105	24 812
1991 ---	24 963	25 336	25 026	25 380	25 355	25 144	25 190	25 229	24 795	24 842	24 581	23 827
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 952	17 052	16 987	17 053	16 977	17 143	17 138	17 155	17 251	17 209	17 168	17 038
1983 ---	16 762	16 601	16 510	16 706	16 873	16 835	16 950	17 147	17 258	17 316	17 473	17 770
1984 ---	17 450	17 820	18 132	18 285	18 601	18 931	19 267	19 488	19 548	19 910	20 020	20 210
1985 ---	20 350	20 652	20 813	20 990	20 967	21 248	21 354	21 385	21 507	21 574	21 554	21 609
1986 ---	21 486	21 369	21 507	21 582	21 736	21 887	22 012	22 092	22 304	22 378	22 459	22 490
1987 ---	22 375	22 420	22 294	22 369	22 554	22 749	22 824	22 961	23 288	23 312	23 500	23 711
1988 ---	23 752	23 693	23 473	23 331	23 590	23 198	23 287	23 457	23 393	23 313	23 430	25 044
1989 ---	25 438	25 628	26 075	26 391	26 350	26 565	26 505	26 626	26 592	26 522	26 381	25 499
1990 ---	25 990	26 051	26 133	26 141	26 128	25 935	25 895	26 084	26 078	26 271	26 089	25 643
1991 ---	25 377	25 370	25 005	25 120	24 918	25 059	24 974	24 935	24 916	24 812	24 562	24 636
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.6	-.4	.4	-.4	1.0	-	.1	.6	-.2	-.2	-.8
1983 ---	-1.6	-1.0	-.5	1.2	1.0	-.2	.7	1.2	.6	.3	.9	1.7
1984 ---	-1.8	2.1	1.8	.8	1.7	1.8	1.8	1.1	.3	1.9	.6	.9
1985 ---	.7	1.5	.8	.9	-.1	1.3	.5	1	.6	.3	-.1	.3
1986 ---	-.6	-.5	.6	.3	.7	.7	.4	.6	1.0	.3	.4	.1
1987 ---	-.5	-.2	-.6	.3	.6	.9	.3	.6	1.4	.1	.8	.9
1988 ---	.2	-.2	-.9	-.6	1.1	-1.7	.5	.7	-.3	-.3	.5	6.9
1989 ---	1.6	.7	1.7	1.2	-.2	.8	-.2	.5	-.1	-.3	-.5	-3.3
1990 ---	1.9	.2	.3	-	-	-.7	-.2	.7	-	.7	-.7	-1.7
1991 ---	-1.0	-	-1.4	.5	-.8	.6	-.3	-.2	-.1	-.4	-1.0	.3
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 487	5 494	5 592	5 552	5 262	5 463	5 442	5 399	5 488	5 359	5 249	5 266
1983 ---	5 164	5 096	5 074	5 246	5 238	5 150	5 183	5 297	5 490	5 571	5 499	5 567
1984 ---	5 395	5 662	5 823	5 926	6 198	6 404	6 526	6 580	6 492	6 554	6 467	6 340
1985 ---	6 593	6 750	6 734	6 828	6 846	6 886	6 985	6 929	6 880	6 949	6 776	6 777
1986 ---	6 647	6 480	6 427	6 318	6 179	6 005	5 932	5 744	5 543	5 331	5 153	5 030
1987 ---	6 059	5 108	5 065	5 196	5 290	5 398	5 460	5 493	5 424	5 500	5 533	5 333
1988 ---	5 653	5 491	5 469	5 477	5 493	5 543	5 614	5 758	5 749	5 794	5 916	6 043
1989 ---	6 392	6 518	6 516	6 588	6 696	6 750	6 826	6 834	6 591	6 561	6 518	6 333
1990 ---	6 572	6 696	6 747	6 740	6 770	6 719	6 690	6 736	6 726	6 848	6 794	6 587
1991 ---	6 680	6 709	6 720	6 682	6 722	6 737	6 736	6 769	6 741	6 702	6 701	6 740
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 397	5 466	5 529	5 497	5 246	5 450	5 435	5 404	5 488	5 378	5 328	5 384
1983 ---	5 113	5 082	5 042	5 200	5 222	5 132	5 155	5 283	5 478	5 570	5 578	5 702
1984 ---	5 385	5 657	5 818	5 877	6 164	6 371	6 464	6 536	6 470	6 541	6 553	6 505
1985 ---	6 620	6 749	6 749	6 783	6 801	6 848	6 898	6 857	6 851	6 939	6 862	6 963
1986 ---	6 693	6 475	6 457	6 284	6 129	5 976	5 843	5 663	5 527	5 343	5 221	5 172
1987 ---	5 093	5 086	5 086	5 173	5 248	5 264	5 312	5 377	5 433	5 456	5 570	5 485
1988 ---	5 501	5 456	5 480	5 456	5 440	5 515	5 535	5 675	5 750	5 841	5 978	6 215
1989 ---	6 430	6 475	6 511	6 566	6 629	6 714	6 745	6 741	6 595	6 623	6 579	6 510
1990 ---	6 601	6 649	6 727	6 722	6 701	6 686	6 622	6 660	6 736	6 916	6 854	6 766
1991 ---	6 698	6 660	6 694	6 667	6 657	6 703	6 674	6 700	6 755	6 767	6 761	6 921
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.3	1.2	-.6	-.46	3.9	-.3	-.6	1.6	-.20	-.9	1.1
1983 ---	-5.0	-.6	-.8	3.1	.4	-1.7	.4	2.5	3.7	1.7	.1	2.2
1984 ---	-5.6	5.1	2.8	1.0	4.9	3.4	1.5	1.1	-1.0	1.1	.2	-.7
1985 ---	1.8	1.9	-	.5	.3	.7	.7	-.6	-.1	1.3	-.11	1.5
1986 ---	-3.9	-3.3	-.3	-2.7	-2.5	-2.5	-2.2	-3.1	-2.4	-3.3	-2.3	-.9
1987 ---	-1.5	-.1	-	1.7	1.4	.3	.9	1.2	1.0	.4	.21	-1.5
1988 ---	.3	-.8	-.4	-.4	-.3	1.4	.4	2.5	1.3	1.6	2.3	4.0
1989 ---	3.5	.7	.6	.8	1.0	1.3	.5	-.1	-2.2	.4	-.7	-1.0
1990 ---	1.4	.7	1.2	-.1	-.3	-.2	-1.0	.6	1.1	2.7	-.9	-1.3
1991 ---	-1.0	-.6	.5	-.4	-.1	.7	-.4	.4	.8	.2	-.1	2.4

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	7 127	7 304	7 289	7 315	7 369	7 285	7 182	7 183	7 027	7 110	7 128	6 821
1983	6 952	7 028	7 131	7 187	7 291	7 360	7 262	7 302	7 140	7 063	7 197	7 197
1984	7 190	7 349	7 494	7 581	7 666	7 704	7 771	7 813	7 834	8 066	8 175	8 116
1985	8 242	8 445	8 632	8 800	8 752	8 922	8 895	8 984	8 945	8 909	8 890	8 540
1986	8 827	9 151	9 744	10 081	10 658	10 921	11 215	11 613	12 040	12 440	12 773	12 594
1987	12 766	12 926	13 010	13 117	13 324	13 339	13 319	13 422	13 635	13 636	13 665	13 487
1988	13 719	13 878	13 734	13 749	14 113	13 448	13 556	13 541	13 236	12 979	12 882	13 434
1989	13 641	13 925	14 305	14 613	14 644	14 519	14 461	14 656	14 497	14 562	14 517	13 293
1990	13 794	13 803	13 856	14 003	14 124	13 895	14 018	14 189	13 807	13 905	13 795	13 052
1991	13 051	13 323	12 934	13 167	13 074	12 973	12 999	13 095	12 691	12 713	12 412	11 840
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	7 256	7 291	7 185	7 181	7 241	7 168	7 143	7 146	7 087	7 168	7 178	7 048
1983	7 084	7 037	7 043	7 069	7 172	7 243	7 220	7 263	7 190	7 093	7 226	7 430
1984	7 335	7 390	7 425	7 477	7 537	7 578	7 730	7 767	7 859	8 074	8 186	8 367
1985	8 412	8 515	8 581	8 710	8 608	8 796	8 849	8 928	8 940	8 888	8 887	8 799
1986	9 003	9 236	9 723	9 998	10 481	10 800	11 151	11 523	12 009	12 406	12 772	12 978
1987	12 988	13 021	13 008	13 017	13 102	13 234	13 232	13 300	13 608	13 588	13 646	13 912
1988	13 956	13 963	13 750	13 647	13 882	13 371	13 466	13 390	13 219	12 916	12 843	13 877
1989	13 887	14 004	14 335	14 505	14 413	14 456	14 339	14 445	14 503	14 472	14 459	13 750
1990	14 058	13 879	13 892	13 902	13 918	13 848	13 868	13 957	13 832	13 803	13 730	13 515
1991	13 317	13 403	12 967	13 066	12 888	12 934	12 877	12 866	12 724	12 609	12 348	12 270
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	5	-1.5	-1	.8	-1.0	-3	-	-8	1.1	.1	-1.8
1983	.5	-7	.1	.4	1.5	1.0	-3	.6	-1.0	-1.3	1.9	2.8
1984	-1.3	.7	.5	.7	.8	.5	2.0	.5	1.2	2.7	1.4	2.2
1985	.5	1.2	.8	1.5	-1.2	2.2	.6	.9	.1	-6	-	-1.0
1986	2.3	2.6	5.3	2.8	4.8	3.0	3.3	3.3	4.2	3.3	3.0	1.6
1987	.1	.3	-1	.1	.7	1.0	.5	.5	2.3	-1	.4	1.9
1988	.3	.1	-1.5	-7	1.7	-3.7	.7	-6	-1.3	-2.3	-6	8.1
1989	.1	.8	2.4	1.2	-6	.3	-8	.7	.4	-2	-1	-4.9
1990	2.2	-1.3	.1	.1	.1	-5	.3	.5	-9	-2	-5	-1.6
1991	-1.5	.6	-3.3	.8	-1.4	.4	-4	-1	-1.1	-9	-2.1	-6
<b>INSTRUMENTS AND RELATED PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	4 206	4 284	4 291	4 525	4 716	4 670	4 633	4 614	4 591	4 529	4 550	4 441
1983	4 488	4 473	4 439	4 560	4 668	4 565	4 633	4 613	4 523	4 552	4 583	4 487
1984	4 671	4 768	4 896	5 035	5 074	5 069	5 133	5 207	5 154	5 211	5 211	5 184
1985	5 268	5 387	5 480	5 579	5 722	5 669	5 668	5 638	5 647	5 684	5 750	5 690
1986	5 741	5 666	5 317	5 363	5 263	5 152	5 072	4 945	4 703	4 584	4 428	4 227
1987	4 258	4 335	4 193	4 233	4 314	4 275	4 322	4 318	4 183	4 233	4 258	4 195
1988	4 244	4 297	4 242	4 300	4 388	4 330	4 323	4 416	4 355	4 527	4 596	4 801
1989	5 034	5 167	5 239	5 432	5 474	5 410	5 462	5 462	5 411	5 403	5 343	5 063
1990	5 217	5 529	5 536	5 652	5 693	5 414	5 421	5 471	5 430	5 536	5 516	5 173
1991	5 232	5 304	5 372	5 531	5 559	5 434	5 455	5 365	5 363	5 427	5 468	5 247
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	4 299	4 295	4 273	4 375	4 490	4 525	4 560	4 605	4 676	4 663	4 662	4 606
1983	4 565	4 482	4 425	4 437	4 479	4 460	4 575	4 601	4 590	4 653	4 669	4 638
1984	4 730	4 773	4 889	4 931	4 900	4 982	5 073	5 185	5 219	5 295	5 281	5 338
1985	5 318	5 388	5 483	5 497	5 558	5 604	5 607	5 600	5 716	5 747	5 805	5 847
1986	5 790	5 658	5 327	5 306	5 126	5 111	5 018	4 906	4 768	4 629	4 466	4 340
1987	4 294	4 313	4 200	4 179	4 204	4 251	4 280	4 284	4 247	4 268	4 284	4 314
1988	4 295	4 274	4 243	4 228	4 268	4 312	4 286	4 392	4 424	4 556	4 609	4 952
1989	5 121	5 149	5 229	5 320	5 308	5 395	5 421	5 440	5 494	5 427	5 343	5 239
1990	5 331	5 523	5 514	5 517	5 509	5 401	5 385	5 467	5 510	5 552	5 505	5 362
1991	5 362	5 307	5 344	5 387	5 373	5 422	5 423	5 369	5 437	5 436	5 453	5 445
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-1	-5	2.4	2.6	.8	.8	1.0	1.5	-3	-	-1.2
1983	-9	-1.8	-1.3	.3	.9	-4	2.6	.6	-2	1.4	.3	-7
1984	2.0	.9	2.4	.9	-6	1.7	1.8	.7	-1	1.5	-3	1.1
1985	-4	1.3	1.8	.3	1.1	.8	.1	-1	2.1	.5	1.0	.7
1986	-1.0	-2.3	-5.9	-5	-3.3	-3	-1.8	-2.2	-2.8	-2.9	-3.5	-2.8
1987	-1.1	.4	-2.6	.5	.6	1.1	.7	1	.9	.5	.4	.7
1988	-4	-5	-7	-4	.9	1.0	-6	7	3.0	1.2	7.4	7.4
1989	3.4	.5	1.6	1.7	-2	1.6	.5	2.5	1.0	-1.2	-1.5	-1.9
1990	1.8	3.6	-2	.1	-1	-2.0	-3	1.5	.8	.8	-8	-2.6
1991	-	-1.0	.7	.8	-3	.9	-	-1.0	1.3	-	.3	-1

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL OTHER DURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 069	16 175	16 134	15 986	15 948	15 956	15 890	15 753	15 696	15 350	15 089	14 961
1983 ---	15 236	15 511	15 451	15 368	15 472	15 453	15 589	15 774	15 812	15 927	15 845	15 808
1984 ---	16 237	16 411	16 614	16 742	16 682	16 586	16 654	16 761	16 826	16 770	16 675	16 871
1985 ---	17 441	17 559	17 418	17 190	17 100	17 041	17 118	17 031	16 888	16 783	16 848	16 817
1986 ---	16 985	17 393	17 203	17 157	17 035	16 789	16 925	16 934	16 735	16 741	16 780	17 330
1987 ---	17 737	18 004	18 057	18 197	18 357	18 127	18 086	18 102	17 956	17 718	17 893	18 334
1988 ---	19 005	19 530	19 479	19 263	19 354	19 438	19 798	19 577	19 330	19 287	19 335	19 552
1989 ---	19 890	19 947	19 823	19 744	19 884	19 944	20 166	20 208	20 101	20 110	20 022	19 796
1990 ---	20 195	20 280	20 398	20 596	20 624	20 456	20 555	20 751	20 788	20 583	20 569	20 491
1991 ---	20 666	20 696	20 230	19 787	19 455	19 362	19 376	19 347	19 469	19 370	19 384	19 612
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 012	15 889	15 867	15 803	15 796	15 884	15 879	15 707	15 761	15 591	15 487	15 273
1983 ---	15 169	15 227	15 196	15 210	15 345	15 416	15 585	15 756	15 891	16 167	16 240	16 097
1984 ---	16 139	16 032	16 339	16 577	16 553	16 567	16 658	16 769	16 941	17 022	17 079	17 141
1985 ---	17 310	17 216	17 145	17 013	16 960	17 035	17 129	17 060	17 033	17 051	17 250	17 031
1986 ---	16 828	17 043	16 935	16 988	16 908	16 792	16 933	16 979	16 911	17 014	17 157	17 510
1987 ---	17 554	17 650	17 797	18 028	18 241	18 144	18 081	18 139	18 149	17 987	18 249	18 489
1988 ---	18 797	19 175	19 243	19 130	19 264	19 476	19 791	19 605	19 517	19 527	19 652	19 700
1989 ---	19 680	19 627	19 621	19 643	19 828	20 022	20 164	20 219	20 260	20 304	20 270	19 916
1990 ---	19 981	19 993	20 227	20 547	20 610	20 568	20 536	20 746	20 915	20 730	20 758	20 602
1991 ---	20 454	20 432	20 083	19 765	19 463	19 492	19 365	19 331	19 568	19 485	19 536	19 717
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.8	-.1	-.4	-	.6	-	-1.1	.3	-1.1	-.7	-1.4
1983 ---	-.7	.4	-.2	.1	.9	.5	1.1	1.1	.9	1.7	.5	-.9
1984 ---	.3	-.3	1.5	1.5	-.1	.1	.5	.7	1.0	.5	.3	-.4
1985 ---	1.0	-.5	-.4	-.8	-.3	.4	.6	-.4	-.2	.1	1.2	-1.3
1986 ---	-1.2	1.3	-.6	.3	-.5	-.7	.8	.3	-.4	.6	.8	2.1
1987 ---	.3	.5	.8	1.3	1.2	-.5	-.3	.3	.1	-.9	1.5	1.3
1988 ---	1.7	2.0	.4	-.6	.7	1.1	1.6	-.9	-.4	.1	.6	.2
1989 ---	-.1	-.3	-	.1	.9	1.0	.7	.3	.2	.2	-.2	-1.7
1990 ---	.3	.1	1.2	1.6	.3	-.2	-.2	1.0	.8	-.9	.1	-.8
1991 ---	-.7	-.1	-1.7	-1.6	-1.5	-.1	-.7	-.2	1.2	-.4	.3	-.9
<b>ALL OTHER DURABLE GOODS INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 243	6 284	6 104	5 992	5 962	5 972	6 078	6 010	6 073	6 131	6 023	5 879
1983 ---	5 909	5 826	5 664	5 560	5 576	5 614	5 844	6 064	6 172	6 432	6 393	6 288
1984 ---	6 291	6 175	6 133	6 058	6 075	6 119	6 413	6 523	6 694	6 728	6 689	6 698
1985 ---	6 760	6 662	6 624	6 511	6 392	6 297	6 460	6 379	6 500	6 464	6 529	6 665
1986 ---	6 654	6 586	6 410	6 329	6 269	6 275	6 419	6 521	6 565	6 769	6 666	6 963
1987 ---	6 980	6 955	6 881	6 860	7 006	7 123	7 178	7 232	7 170	7 215	7 329	7 512
1988 ---	7 691	7 709	7 658	7 455	7 653	7 647	8 030	7 844	7 846	7 977	7 975	7 976
1989 ---	7 993	7 908	7 792	7 706	7 672	7 714	8 041	8 112	8 245	8 406	8 375	8 200
1990 ---	8 091	7 946	7 849	7 811	7 809	7 778	7 886	7 966	8 066	8 035	8 061	8 296
1991 ---	8 178	8 131	7 883	7 581	7 360	7 245	7 329	7 488	7 633	7 634	7 592	7 735
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 173	6 233	6 146	6 134	6 133	6 155	6 091	5 967	5 957	5 996	5 945	5 813
1983 ---	5 837	5 781	5 719	5 707	5 746	5 801	5 862	6 038	6 061	6 277	6 295	6 195
1984 ---	6 198	6 119	6 191	6 221	6 260	6 319	6 444	6 515	6 602	6 574	6 600	6 585
1985 ---	6 644	6 604	6 675	6 653	6 554	6 482	6 495	6 386	6 432	6 327	6 446	6 538
1986 ---	6 520	6 526	6 462	6 478	6 438	6 458	6 464	6 542	6 521	6 638	6 581	6 825
1987 ---	6 827	6 886	6 926	7 007	7 187	7 315	7 227	7 257	7 139	7 086	7 242	7 357
1988 ---	7 517	7 632	7 711	7 620	7 846	7 857	8 099	7 868	7 813	7 825	7 872	7 802
1989 ---	7 817	7 833	7 851	7 876	7 876	7 943	8 114	8 133	8 198	8 227	8 241	8 001
1990 ---	7 917	7 876	7 921	8 005	8 036	8 031	7 959	7 982	7 998	7 842	7 909	8 072
1991 ---	8 003	8 062	7 963	7 780	7 583	7 497	7 403	7 502	7 559	7 447	7 438	7 517
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.0	-1.4	-.2	-	.4	-1.0	-2.0	-.2	.7	-.9	-2.2
1983 ---	.4	-1.0	-1.1	-.2	.7	1.0	1.1	3.0	.4	3.6	.3	-1.6
1984 ---	-	-1.3	1.2	.5	.6	.9	2.0	1.1	1.3	-.4	.4	-.2
1985 ---	.9	-.6	1.1	-.3	-1.5	-1.1	.2	-1.7	.7	-1.6	1.9	1.4
1986 ---	-.3	.1	-1.0	-.2	-.6	.3	.1	1.2	-.3	1.8	-.9	3.7
1987 ---	-	.9	.6	1.2	2.6	1.8	-1.2	.4	-1.6	-.7	2.2	1.6
1988 ---	2.2	1.5	1.0	-1.2	3.0	.1	3.1	-2.9	-.7	.2	.6	-.9
1989 ---	.2	-.2	.2	-.3	-	.9	2.2	.2	.8	.2	.2	-.9
1990 ---	-1.0	-.5	.6	1.1	.4	-.1	-.9	.3	.2	-2.0	.9	2.1
1991 ---	-.9	.7	-1.2	-2.3	-2.5	-1.1	-1.3	1.3	.8	-1.5	-.1	1.1

See footnotes at end of table



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL OTHER DURABLE GOODS INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 619	3 579	3 601	3 562	3 535	3 522	3 496	3 502	3 450	3 326	3 287	3 233
1983 ---	3 269	3 276	3 229	3 231	3 264	3 275	3 335	3 351	3 378	3 350	3 372	3 383
1984 ---	3 467	3 548	3 596	3 667	3 620	3 562	3 547	3 540	3 521	3 531	3 583	3 571
1985 ---	3 738	3 785	3 717	3 771	3 818	3 798	3 837	3 905	3 858	3 764	3 701	3 558
1986 ---	3 580	3 764	3 728	3 663	3 576	3 556	3 689	3 634	3 579	3 575	3 615	3 695
1987 ---	3 743	3 836	3 856	3 881	3 774	3 663	3 712	3 793	3 770	3 727	3 738	3 889
1988 ---	3 955	4 146	4 117	4 037	4 024	4 172	3 990	4 050	3 942	3 965	4 054	4 197
1989 ---	4 350	4 340	4 219	4 253	4 330	4 362	4 265	4 242	4 213	4 111	4 109	4 096
1990 ---	4 234	4 335	4 300	4 356	4 347	4 314	4 428	4 540	4 467	4 361	4 303	4 205
1991 ---	4 218	4 227	4 142	4 107	4 082	4 193	4 260	4 212	4 176	4 174	4 079	4 088
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 605	3 527	3 549	3 512	3 490	3 489	3 481	3 477	3 470	3 396	3 371	3 320
1983 ---	3 254	3 223	3 186	3 192	3 231	3 255	3 331	3 327	3 397	3 424	3 452	3 464
1984 ---	3 452	3 482	3 547	3 624	3 585	3 549	3 547	3 516	3 546	3 606	3 664	3 641
1985 ---	3 729	3 706	3 662	3 725	3 785	3 789	3 842	3 881	3 887	3 838	3 785	3 609
1986 ---	3 573	3 681	3 677	3 626	3 555	3 547	3 691	3 614	3 617	3 648	3 704	3 734
1987 ---	3 739	3 747	3 800	3 841	3 756	3 649	3 710	3 773	3 818	3 795	3 825	3 921
1988 ---	3 947	4 056	4 066	4 003	4 013	4 151	3 979	4 026	3 995	4 027	4 140	4 228
1989 ---	4 342	4 254	4 174	4 223	4 325	4 341	4 251	4 211	4 263	4 171	4 184	4 131
1990 ---	4 221	4 257	4 267	4 339	4 351	4 295	4 409	4 500	4 511	4 412	4 365	4 247
1991 ---	4 205	4 155	4 115	4 094	4 088	4 178	4 242	4 172	4 217	4 225	4 135	4 128
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.2	.6	-1.0	-.6	-	-.2	-.1	-.2	-2.1	-.7	-1.5
1983 ---	-2.0	-1.0	-1.1	.2	1.2	.7	2.3	-.1	2.1	.8	.8	.3
1984 ---	-.3	.9	1.9	2.2	-1.1	-1.0	-.1	-.9	.9	1.7	1.6	-.6
1985 ---	2.4	-.6	-1.2	1.7	1.6	-.1	1.4	1.0	.2	-1.3	-1.4	-4.6
1986 ---	-1.0	3.0	-.1	-1.4	-2.0	-.2	4.1	-2.1	.1	.9	1.5	.8
1987 ---	.1	.2	1.4	1.1	-2.2	-2.8	1.7	1.7	1.2	-.6	.8	2.5
1988 ---	.7	2.8	.2	-1.5	.2	.34	-4.1	1.2	-.8	.8	2.8	2.1
1989 ---	2.7	-2.0	-1.9	1.2	2.4	.4	-2.1	-.9	1.2	-2.2	.3	-1.3
1990 ---	2.2	.9	.2	1.7	.3	-1.3	2.7	2.1	.2	-2.2	-1.1	-2.7
1991 ---	-1.0	-1.2	-1.0	-.5	-.1	2.2	1.5	-1.7	1.1	-.2	-2.1	-.2
<b>ALL OTHER DURABLE GOODS INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 207	6 312	6 429	6 432	6 451	6 462	6 316	6 241	6 173	5 893	5 779	5 849
1983 ---	6 058	6 409	6 558	6 577	6 632	6 564	6 410	6 359	6 262	6 145	6 080	6 137
1984 ---	6 479	6 688	6 885	7 017	6 987	6 905	6 694	6 698	6 611	6 511	6 403	6 602
1985 ---	6 943	7 112	7 077	6 908	6 890	6 946	6 821	6 747	6 530	6 555	6 618	6 594
1986 ---	6 751	7 043	7 065	7 165	7 190	6 958	6 817	6 779	6 591	6 397	6 499	6 672
1987 ---	7 014	7 213	7 320	7 456	7 577	7 341	7 196	7 077	7 016	6 776	6 826	6 933
1988 ---	7 359	7 675	7 704	7 771	7 677	7 619	7 778	7 683	7 542	7 345	7 306	7 379
1989 ---	7 547	7 699	7 812	7 785	7 882	7 868	7 860	7 854	7 643	7 593	7 538	7 500
1990 ---	7 870	7 999	8 249	8 429	8 468	8 364	8 241	8 245	8 255	8 187	8 205	7 990
1991 ---	8 270	8 338	8 205	8 099	8 013	7 924	7 787	7 647	7 660	7 562	7 713	7 789
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 234	6 129	6 172	6 157	6 173	6 240	6 307	6 263	6 334	6 199	6 171	6 140
1983 ---	6 077	6 223	6 291	6 311	6 368	6 360	6 392	6 391	6 433	6 466	6 493	6 438
1984 ---	6 489	6 491	6 601	6 732	6 708	6 699	6 667	6 738	6 793	6 842	6 815	6 915
1985 ---	6 937	6 906	6 808	6 635	6 621	6 764	6 792	6 793	6 714	6 886	7 019	6 884
1986 ---	6 735	6 836	6 796	6 884	6 915	6 787	6 778	6 823	6 773	6 728	6 872	6 951
1987 ---	6 988	7 017	7 071	7 180	7 298	7 180	7 144	7 109	7 192	7 106	7 182	7 211
1988 ---	7 333	7 487	7 466	7 507	7 405	7 470	7 713	7 711	7 709	7 675	7 640	7 670
1989 ---	7 521	7 540	7 596	7 544	7 627	7 738	7 799	7 875	7 799	7 906	7 845	7 784
1990 ---	7 843	7 860	8 039	8 203	8 223	8 242	8 168	8 264	8 406	8 476	8 484	8 283
1991 ---	8 246	8 215	8 005	7 891	7 792	7 817	7 720	7 657	7 792	7 813	7 963	8 072
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.7	.7	-.2	.3	1.1	1.1	-.7	1.1	-2.1	-.5	-.5
1983 ---	-1.0	2.4	1.1	.3	.9	-.1	.5	-.7	.7	.5	.4	-.8
1984 ---	.8	-.1	1.7	2.0	-.4	-.1	-.5	1.1	.8	.7	-.4	1.5
1985 ---	-.3	-.4	-1.4	-2.5	-.2	2.2	.4	-.7	-.1	2.6	1.9	-1.9
1986 ---	-2.2	1.5	-.6	1.3	.5	-1.9	-.1	.7	-.7	-.7	2.1	1.1
1987 ---	.5	.4	.8	1.5	1.6	-1.6	-.5	-.5	1.2	-1.2	1.1	.4
1988 ---	1.7	2.1	-.3	-.5	-.14	.9	.33	-.7	-.1	-.4	-.5	.4
1989 ---	-1.9	-.3	.7	-.7	1.1	1.5	.8	1.0	-1.0	1.4	-.8	-.8
1990 ---	.8	-.2	2.3	2.0	.2	.2	-.9	1.2	1.7	.8	.1	-2.4
1991 ---	-.4	-.4	-2.6	-1.4	-1.3	.3	-1.2	-.8	1.8	.3	1.9	1.4

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	115 607	115 783	115 271	115 189	113 122	111 463	111 916	111 769	110 827	111 722	112 311	110 549
1983 ---	111 437	111 133	109 237	109 374	108 945	108 588	109 479	110 149	110 838	112 609	112 909	111 673
1984 ---	113 376	114 910	115 377	116 781	118 220	118 294	118 729	119 591	119 449	119 967	119 307	117 187
1985 ---	116 949	117 709	116 872	117 414	117 144	115 964	115 356	115 259	114 247	115 302	115 465	115 577
1986 ---	115 276	115 061	113 305	113 710	112 548	111 449	111 582	111 112	109 217	109 985	110 115	109 702
1987 ---	111 763	112 517	112 186	112 839	113 454	112 874	113 482	114 883	114 585	115 587	116 249	116 276
1988 ---	117 947	119 045	119 437	120 797	121 681	121 880	122 648	123 924	123 435	124 514	124 912	124 957
1989 ---	126 906	127 565	127 737	129 594	129 964	129 869	131 031	131 593	130 768	131 285	131 277	129 747
1990 ---	132 700	133 638	133 208	133 519	133 963	132 943	134 996	136 180	137 986	139 482	139 032	137 985
1991 ---	140 252	140 406	138 924	139 678	138 613	136 997	137 030	137 486	137 763	139 105	139 140	138 011
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	114 612	114 440	114 678	114 073	112 356	111 948	112 764	112 648	112 020	112 057	112 050	111 411
1983 ---	110 581	109 978	108 797	108 463	108 369	109 113	110 223	110 847	112 088	112 780	112 616	112 531
1984 ---	112 621	113 900	115 061	115 981	117 679	118 764	119 221	119 921	120 421	120 078	119 144	118 188
1985 ---	116 355	116 882	116 661	116 729	116 656	116 382	115 715	115 354	115 049	115 322	115 357	116 590
1986 ---	114 787	114 370	113 200	113 104	112 097	111 859	111 799	110 946	109 797	110 003	110 209	110 672
1987 ---	111 389	111 920	112 169	112 280	113 059	113 407	113 628	114 641	115 127	115 594	116 319	117 309
1988 ---	117 526	118 363	119 457	120 203	121 222	122 463	122 740	123 685	123 993	124 577	125 053	126 040
1989 ---	126 430	126 741	127 664	128 976	129 577	130 640	131 158	131 347	131 229	131 264	131 405	130 873
1990 ---	132 215	132 761	133 231	132 909	133 657	133 860	135 136	135 985	138 425	139 246	138 940	139 105
1991 ---	139 693	139 368	138 922	139 045	138 434	138 119	137 315	137 380	138 233	138 817	139 077	139 077
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2	.2	-.5	-1.5	-.4	.7	-.1	-.6	-	-	-.6
1983 ---	-.7	-.5	-1.1	-.3	-.1	-.1	1.0	.6	1.1	-.4	-.1	-.1
1984 ---	.1	1.1	1.0	.8	1.5	.9	.4	.6	.4	-1.3	-.8	-.8
1985 ---	-1.6	.5	-.2	.1	-.1	-.2	-.6	-.3	-.3	-.2	-.2	1.1
1986 ---	-1.5	-.4	-1.0	-.1	-.9	-.2	-.1	-.9	-1.0	.2	.2	.4
1987 ---	.6	.5	.2	.1	.7	.3	.2	.4	.4	.4	.6	.9
1988 ---	.2	.7	.9	.6	.8	1.0	.2	.8	.2	.5	.4	.8
1989 ---	.3	.2	.7	1.0	.5	.8	.4	.1	-.1	-.1	.1	-.4
1990 ---	1.0	-.4	-.4	-.2	-.6	-.2	1.0	.6	1.8	.6	-.2	.1
1991 ---	.4	-.2	-.3	-.1	-.4	-.2	-.6	-.6	.6	.4	.2	-.6
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	45 780	45 689	45 712	46 095	45 405	44 430	44 370	43 947	43 326	43 608	44 045	44 569
1983 ---	44 519	44 133	43 832	43 609	43 184	43 074	42 719	42 889	43 230	43 796	43 887	45 418
1984 ---	45 925	46 174	46 187	46 185	46 629	46 024	46 340	45 835	45 966	46 050	46 105	46 280
1985 ---	46 312	46 154	45 647	45 587	45 101	44 767	43 967	43 690	42 944	43 328	43 007	44 656
1986 ---	44 509	44 191	43 470	43 228	42 520	42 172	42 352	41 854	41 266	41 483	41 242	42 825
1987 ---	43 055	42 969	42 959	43 396	43 456	43 456	43 621	43 567	44 128	44 318	44 487	45 813
1988 ---	46 245	46 416	46 926	47 216	47 259	47 644	47 718	47 993	48 261	48 752	48 798	49 605
1989 ---	49 733	49 659	49 429	49 569	49 289	49 278	49 435	49 489	48 964	49 322	49 784	50 245
1990 ---	50 465	50 416	50 566	50 408	50 042	49 690	50 265	50 454	50 735	51 605	51 925	52 351
1991 ---	53 033	52 378	52 053	51 870	51 261	50 966	51 306	50 925	50 853	51 581	51 424	52 667
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	44 796	44 869	44 804	45 264	45 095	44 841	45 060	44 880	44 410	44 483	44 396	44 042
1983 ---	43 560	43 314	43 063	42 925	42 943	43 472	43 355	43 771	44 278	44 535	44 294	44 822
1984 ---	44 978	45 363	45 522	45 594	46 456	46 345	46 835	46 552	46 855	46 705	46 545	46 697
1985 ---	45 444	45 419	45 121	45 146	45 001	45 059	44 393	44 266	43 676	43 839	43 423	44 095
1986 ---	43 712	43 537	43 077	42 895	42 496	42 443	42 672	42 318	41 888	41 901	41 651	42 323
1987 ---	42 334	42 407	42 656	43 118	43 479	43 776	43 922	43 998	44 745	44 679	44 834	45 302
1988 ---	45 496	45 860	46 664	46 940	47 312	47 999	47 973	48 399	48 874	49 100	49 057	49 046
1989 ---	48 962	49 121	49 179	49 325	49 406	49 681	49 693	49 887	49 540	49 636	49 974	49 643
1990 ---	49 661	49 884	50 337	50 203	50 251	50 195	50 588	50 903	51 356	51 851	51 965	51 603
1991 ---	52 208	51 834	51 819	51 721	51 545	51 557	51 711	51 416	51 508	51 811	51 440	51 890
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.2	-.1	1.0	-.4	-.6	.5	-.4	-1.0	.2	-.2	-.8
1983 ---	-1.1	-.6	-.6	-.3	-.2	1.2	-.3	1.0	1.2	.6	-.5	1.2
1984 ---	.3	.9	-.4	.2	1.9	-.2	1.1	-.6	.7	-.3	-.3	-1.8
1985 ---	-.6	-.1	-.7	-.3	-.1	-.3	-.1	-.2	-1.4	.4	-.9	1.5
1986 ---	-.9	-.4	-1.1	-.4	-.9	-.1	-.5	-.8	-1.0	-.1	-.6	1.6
1987 ---	-.2	-.2	.6	1.1	.8	.7	.3	.2	1.7	-.1	.3	1.0
1988 ---	.4	.8	1.8	.6	.8	1.5	-.1	.9	1.0	.5	-.1	-.7
1989 ---	-.2	.3	.1	.3	.2	.6	.4	.7	-.7	.2	.7	-.7
1990 ---	-.4	.9	-.3	-.3	1	-.1	.8	.6	.9	1.0	.2	-.7
1991 ---	1.2	-.7	-.2	-.3	-.3	-.3	-.3	-.6	.2	.6	-.7	.9

See footnotes at end of table.



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	18 952	18 809	18 911	19 209	19 167	19 057	19 424	19 441	19 134	18 856	18 729	18 061
1983 ---	18 393	18 627	18 405	18 795	18 611	18 375	18 737	18 900	18 900	19 128	19 110	18 146
1984 ---	18 728	19 091	19 181	19 715	20 006	19 684	19 613	20 084	19 593	19 667	19 308	18 770
1985 ---	18 856	19 007	18 834	18 961	19 018	18 733	18 908	18 894	18 926	19 329	19 532	18 907
1986 ---	18 448	18 710	18 184	18 161	18 107	18 036	17 980	17 756	17 798	17 961	17 972	17 627
1987 ---	18 116	18 733	18 764	18 677	18 886	18 883	18 762	19 113	19 092	19 139	19 320	18 768
1988 ---	19 213	19 278	19 573	19 786	20 010	19 855	20 132	20 144	20 127	20 369	20 344	19 900
1989 ---	20 481	20 493	20 973	21 306	21 071	21 061	21 455	21 415	21 309	21 748	21 377	20 698
1990 ---	21 311	21 374	21 529	21 559	21 768	21 209	21 727	22 120	22 542	22 893	22 624	21 878
1991 ---	21 901	21 892	21 605	22 136	21 907	21 791	21 992	21 997	22 432	22 799	22 248	21 453
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	19 091	18 818	18 947	18 973	18 933	19 119	19 360	19 346	19 100	18 710	18 702	18 613
1983 ---	18 524	18 628	18 460	18 610	18 407	18 425	18 651	18 797	18 918	19 022	19 027	18 696
1984 ---	18 850	19 079	19 217	19 543	19 785	19 734	19 510	19 995	19 577	19 545	19 227	19 331
1985 ---	18 955	18 985	18 843	18 845	18 848	18 790	18 815	18 822	18 891	19 198	19 417	19 451
1986 ---	18 537	18 705	18 182	18 082	17 981	18 119	17 907	17 710	17 727	17 834	17 867	18 125
1987 ---	18 201	18 736	18 736	18 585	18 768	18 970	18 665	19 056	19 026	19 001	19 203	19 275
1988 ---	19 313	19 289	19 545	19 681	19 931	20 004	20 047	20 104	20 036	20 145	20 209	20 440
1989 ---	20 589	20 522	20 944	21 167	20 997	21 232	21 342	21 351	21 235	21 499	21 252	21 248
1990 ---	21 441	21 434	21 514	21 366	21 717	21 423	21 594	22 046	22 482	22 551	22 473	22 434
1991 ---	22 014	21 958	21 602	21 919	21 867	22 020	21 864	21 940	22 383	22 449	22 101	22 002
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.4	.7	.1	-.2	1.0	1.3	-.1	-1.3	-2.0	-	-5
1983 ---	-.5	.6	-.9	.8	-1.1	1.0	1.2	.8	.6	.5	-	-1.7
1984 ---	.8	1.2	-.7	1.7	1.2	-.3	-.1	2.5	-2.1	-2	-1.6	.5
1985 ---	-1.9	.2	-.7	-.7	1.2	-.3	1	-.1	-.4	1.6	1.1	.2
1986 ---	-4.7	.9	-2.8	-.5	-.6	-.8	-1.2	-1.1	.1	.6	.2	1.4
1987 ---	.4	2.9	-.7	-.8	1.0	1.1	-1.6	2.1	-2	-.1	1.1	.4
1988 ---	.2	-.1	1.3	.7	1.3	.4	2	.3	-.3	.5	.3	1.1
1989 ---	.7	-.3	2.1	1.1	-.8	1.1	.5	-.5	1.2	-.1	-.1	-.4
1990 ---	.9	-.7	.4	-.7	1.6	-.1	2.1	2.0	.3	-.3	-.3	-.2
1991 ---	-1.9	-.3	-1.6	1.5	-.2	.7	-.7	.3	2.0	.3	-1.6	-.4
<b>NONDURABLE GOODS INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	50 875	51 285	50 648	49 885	48 550	47 976	48 122	48 401	48 367	49 258	49 537	47 919
1983 ---	48 525	48 373	47 000	46 970	47 150	47 139	48 023	48 360	48 708	49 685	49 912	48 109
1984 ---	48 723	49 645	50 009	50 881	51 585	52 586	52 776	53 672	53 890	54 250	53 894	52 137
1985 ---	51 781	52 548	52 391	52 866	53 025	52 464	52 481	52 675	52 377	52 645	52 926	52 014
1986 ---	52 319	52 160	51 651	52 321	51 921	51 241	51 250	51 502	50 153	50 541	50 901	49 250
1987 ---	50 592	50 815	50 463	50 766	51 112	50 535	51 099	52 203	51 365	52 130	52 442	51 695
1988 ---	52 489	53 351	52 938	53 795	54 412	54 381	54 798	55 787	55 047	55 393	55 770	55 452
1989 ---	56 692	57 413	57 335	58 719	59 604	59 530	60 141	60 689	60 495	60 215	60 116	58 804
1990 ---	60 924	61 848	61 113	61 552	62 153	62 044	63 004	63 606	64 709	64 984	64 483	63 756
1991 ---	65 318	66 136	65 266	65 672	65 445	64 240	63 732	64 564	64 478	64 725	65 468	63 891
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	50 725	50 753	50 927	49 836	48 328	47 988	48 344	48 422	48 510	48 864	48 952	48 756
1983 ---	48 497	48 036	47 274	46 928	47 019	47 216	48 217	48 279	48 892	49 223	49 295	49 013
1984 ---	48 793	49 458	50 322	50 844	51 438	52 685	52 876	53 374	53 989	53 828	53 372	53 160
1985 ---	51 956	52 478	52 697	52 738	52 807	52 533	52 507	52 246	52 482	52 285	52 517	53 044
1986 ---	52 538	52 128	51 941	52 127	51 620	51 297	51 220	50 918	50 182	50 268	50 691	50 224
1987 ---	50 854	50 777	50 777	50 577	50 812	50 661	51 041	51 587	51 356	51 914	52 282	52 732
1988 ---	52 717	53 214	53 248	53 582	53 979	54 460	54 720	55 182	55 083	55 332	55 787	56 554
1989 ---	56 879	57 098	57 541	58 484	59 174	59 727	60 123	60 109	60 454	60 129	60 179	59 982
1990 ---	61 113	61 443	61 380	61 340	61 689	62 242	62 954	63 036	64 587	64 844	64 502	65 068
1991 ---	65 471	65 576	65 501	65 405	65 022	64 542	63 740	64 024	64 342	64 557	65 536	65 185
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.1	.3	-2.1	-3.0	-.7	.7	.2	.2	.7	.2	-.4
1983 ---	-.5	-1.0	-1.6	-.7	.2	.4	2.1	.1	1.3	-.7	-.1	-.6
1984 ---	-.4	1.4	1.7	1.0	1.2	2.4	.4	.9	1.2	-.3	-.8	-.4
1985 ---	-2.3	1.0	.4	.1	.1	-.5	-.5	-.5	.5	-.4	.4	1.0
1986 ---	-1.0	-.8	-.4	-.4	-1.0	-.6	-.2	-.6	-1.4	.2	.8	-.9
1987 ---	1.3	-.2	-.7	-.4	.5	-.3	.8	1.1	-.4	1.1	.7	.9
1988 ---	-.9	.1	.6	.6	.7	.9	.5	.8	-.2	.5	.8	1.4
1989 ---	.6	.4	.8	1.6	1.2	.9	.7	-.7	.6	-.5	.1	-.3
1990 ---	1.9	.5	-.1	-.1	.6	.9	1.1	.1	2.5	.4	-.5	.9
1991 ---	.6	.2	-.1	-.1	-.6	-.7	-1.2	.4	.5	.3	1.5	-.5

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>FOOD AND KINDRED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 855	23 429	22 847	22 663	22 030	21 469	22 083	22 725	23 240	24 270	24 429	23 565
1983 ---	23 766	23 225	22 668	22 372	21 964	21 447	21 795	22 987	23 667	24 701	24 886	24 151
1984 ---	24 452	24 297	23 976	23 673	23 864	23 318	23 654	24 449	24 606	25 222	25 492	24 663
1985 ---	24 599	24 375	23 672	23 625	23 296	22 793	23 156	24 110	24 119	25 115	24 891	24 427
1986 ---	24 416	24 057	23 406	23 457	22 972	22 743	23 560	24 424	24 116	24 989	24 988	24 285
1987 ---	24 552	24 208	23 568	23 599	23 611	23 541	23 621	24 527	25 054	25 905	25 943	25 306
1988 ---	25 367	25 239	24 667	24 728	24 550	24 765	25 045	26 229	26 381	27 417	27 666	27 353
1989 ---	27 347	26 919	26 236	26 586	25 819	25 583	26 310	27 316	27 630	28 275	28 322	27 710
1990 ---	27 775	27 596	27 130	27 110	26 970	26 737	27 593	28 809	29 464	30 496	30 417	29 373
1991 ---	29 755	29 472	28 705	28 789	28 107	27 806	28 163	29 280	30 258	31 446	31 453	30 586
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	23 175	23 191	23 086	23 175	22 836	22 662	23 074	22 943	22 999	23 154	23 190	23 016
1983 ---	23 135	22 990	22 945	22 871	22 722	22 610	22 689	23 153	23 598	23 612	23 592	23 609
1984 ---	23 788	24 037	24 329	24 228	24 714	24 601	24 590	24 450	24 322	24 087	24 266	24 181
1985 ---	24 014	24 175	24 091	24 222	24 125	24 002	23 993	24 010	23 834	24 025	23 766	23 993
1986 ---	23 891	23 861	23 881	24 053	23 791	23 933	24 339	24 206	23 766	23 898	23 917	23 873
1987 ---	24 089	24 035	24 069	24 175	24 473	24 782	24 355	24 279	24 726	24 771	24 808	24 848
1988 ---	24 878	25 041	25 188	25 296	25 477	26 111	25 861	26 070	26 029	25 207	26 417	26 839
1989 ---	26 813	26 683	26 740	27 165	26 806	26 981	27 104	27 080	27 128	27 005	27 088	27 234
1990 ---	27 320	27 395	27 695	27 715	28 037	28 218	28 387	28 622	28 953	29 129	29 058	28 857
1991 ---	29 266	29 229	29 294	29 427	29 268	29 408	29 008	29 096	29 716	30 012	30 032	30 038
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.1	-.5	.4	-1.5	-.8	1.8	-.6	.2	.7	.2	-.8
1983 ---	.5	-.6	-.2	-.3	-.7	-.5	.3	2.0	1.9	.1	-.1	.1
1984 ---	.8	1.0	1.2	-.4	2.0	-.5	-.5	-.6	-.5	-1.0	.7	-.4
1985 ---	-.7	.7	-.3	.5	-.4	-.5	-.5	.1	-.7	.8	-1.1	1.0
1986 ---	-.4	-.1	.1	.7	-.1	.6	1.7	-.5	-1.8	.6	.1	-.2
1987 ---	.9	-.2	.1	.4	1.2	1.3	-1.7	-.3	1.8	.2	.1	.2
1988 ---	.1	.7	.6	.4	.7	2.5	-1.0	.8	-.2	.7	.8	1.6
1989 ---	-.1	-.5	.2	1.6	-1.3	.7	.5	-.1	.2	-.5	.3	.5
1990 ---	.3	.3	1.1	.1	1.2	.6	.6	.8	1.2	.6	-.2	-.7
1991 ---	1.4	-.1	.2	.5	-.5	.5	-1.4	.3	2.1	1.0	.1	-.1
<b>FOOD AND KINDRED PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 610	8 472	8 456	8 401	8 199	7 980	7 927	7 667	7 493	8 042	8 345	8 224
1983 ---	8 385	8 249	8 281	8 087	7 751	7 538	7 460	7 680	8 000	8 370	8 418	8 699
1984 ---	8 809	8 915	8 689	8 618	8 612	8 174	8 049	7 817	7 815	8 389	8 547	8 656
1985 ---	8 682	8 669	8 399	8 416	8 181	8 223	8 087	8 045	7 804	8 494	8 426	8 662
1986 ---	8 735	8 462	8 301	8 414	8 176	8 126	8 237	8 215	7 886	8 427	8 489	8 482
1987 ---	8 629	8 445	8 304	8 452	8 431	8 321	8 218	8 027	8 344	8 676	8 893	8 888
1988 ---	9 083	8 997	8 960	9 089	9 126	9 210	8 868	9 072	9 200	9 771	9 937	9 830
1989 ---	9 924	9 560	9 446	9 524	9 072	8 864	8 839	8 800	8 636	9 120	9 425	9 402
1990 ---	9 370	9 306	9 264	9 278	9 207	9 041	9 126	9 224	9 182	9 874	10 140	9 766
1991 ---	9 906	9 668	9 646	9 744	9 607	9 509	9 574	9 371	9 444	9 913	9 892	10 033
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 236	8 175	8 227	8 296	8 305	8 285	8 249	8 096	7 955	8 014	8 085	7 902
1983 ---	8 026	7 953	8 085	7 975	7 822	7 793	7 753	8 114	8 537	8 328	8 158	8 369
1984 ---	8 408	8 599	8 525	8 510	8 705	8 437	8 367	8 218	8 271	8 310	8 317	8 349
1985 ---	8 299	8 396	8 297	8 335	8 267	8 458	8 385	8 418	8 238	8 398	8 212	8 371
1986 ---	8 362	8 230	8 251	8 351	8 261	8 345	8 521	8 534	8 276	8 307	8 268	8 203
1987 ---	8 287	8 261	8 285	8 397	8 514	8 554	8 467	8 308	8 748	8 536	8 616	8 693
1988 ---	8 741	8 838	8 950	9 039	9 225	9 156	9 147	9 166	9 389	9 607	9 593	9 511
1989 ---	9 571	9 406	9 422	9 467	9 156	9 147	9 110	9 087	8 997	8 954	9 086	9 116
1990 ---	9 077	9 182	9 242	9 231	9 300	9 338	9 387	9 535	9 570	9 690	9 757	9 470
1991 ---	9 606	9 533	9 614	9 697	9 724	9 846	9 857	9 678	9 837	9 718	9 509	9 726
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.7	.6	.8	.1	-.2	-.4	-1.9	-1.7	.7	-.9	-2.3
1983 ---	1.6	-.9	1.7	-1.4	-1.9	-.4	-.5	4.7	5.2	-2.4	-2.0	2.6
1984 ---	.5	2.3	-.9	-.2	2.3	-3.1	-.8	-1.8	.6	.5	.1	.4
1985 ---	-.6	1.2	-1.2	.5	-.8	2.3	-.9	.4	-2.1	1.9	-2.2	1.9
1986 ---	-.1	-1.6	.3	1.2	-1.1	1.0	2.1	.2	-3.0	-.4	-.5	-.8
1987 ---	1.0	-.3	.3	1.4	1.4	.5	-.8	-2.1	5.3	-2.4	.9	-.9
1988 ---	.6	1.1	1.3	1.0	2.1	3.0	-3.5	2.4	2.3	-.1	-.1	-.7
1989 ---	.6	-1.7	.2	.5	-3.3	-.1	-.4	-.3	-1.0	-.5	1.5	-.3
1990 ---	-.4	1.2	.7	-.1	.7	.4	.5	1.6	.4	1.3	.7	-2.9
1991 ---	1.4	-.8	.8	-.9	.3	1.3	.1	-1.8	1.6	-1.2	-2.2	2.3

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>FOOD AND KINDRED PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	2 659	2 492	2 525	2 513	2 495	2 479	2 411	2 406	2 442	2 515	2 559	2 635
1983	2 597	2 602	2 570	2 508	2 515	2 427	2 398	2 466	2 411	2 460	2 513	2 559
1984	2 620	2 649	2 614	2 564	2 545	2 554	2 577	2 696	2 662	2 661	2 675	2 713
1985	2 676	2 688	2 664	2 592	2 567	2 517	2 518	2 494	2 463	2 541	2 509	2 514
1986	2 638	2 652	2 684	2 629	2 567	2 581	2 672	2 673	2 699	2 743	2 777	2 697
1987	2 752	2 771	2 771	2 749	2 766	2 842	2 798	2 902	2 894	3 001	2 996	2 931
1988	3 071	2 970	2 958	3 018	2 941	3 030	3 111	3 058	3 260	3 477	3 363	3 251
1989	3 307	3 232	3 286	3 242	3 068	3 057	3 116	3 056	3 168	3 422	3 305	3 236
1990	3 247	3 230	3 301	3 276	3 218	3 227	3 232	3 163	3 422	3 833	3 755	3 717
1991	3 631	3 585	3 525	3 441	3 367	3 311	3 341	3 294	3 599	3 806	3 770	3 674
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	2 604	2 435	2 482	2 503	2 476	2 514	2 495	2 482	2 499	2 522	2 548	2 588
1983	2 534	2 533	2 514	2 499	2 507	2 466	2 471	2 538	2 479	2 473	2 492	2 514
1984	2 549	2 573	2 555	2 566	2 560	2 608	2 650	2 756	2 708	2 661	2 650	2 681
1985	2 605	2 621	2 610	2 603	2 602	2 580	2 581	2 541	2 487	2 522	2 479	2 498
1986	2 572	2 597	2 637	2 645	2 620	2 655	2 730	2 722	2 705	2 689	2 728	2 689
1987	2 687	2 731	2 726	2 763	2 843	2 934	2 861	2 976	2 898	2 906	2 914	2 912
1988	3 001	2 936	2 915	3 033	3 037	3 146	3 200	3 172	3 260	3 328	3 239	3 212
1989	3 228	3 201	3 238	3 254	3 174	3 181	3 214	3 195	3 168	3 254	3 168	3 179
1990	3 179	3 206	3 259	3 291	3 334	3 368	3 341	3 334	3 428	3 627	3 582	3 632
1991	3 554	3 555	3 481	3 459	3 497	3 469	3 464	3 481	3 607	3 591	3 587	3 578
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-6.5	1.9	.8	-1.1	1.5	-.8	-.5	.7	.9	1.0	1.6
1983	-2.1	-	-.8	-.6	.3	-1.6	.2	2.7	-2.3	-.2	.8	.9
1984	1.4	.9	-.7	.4	-.2	1.9	1.6	4.0	-1.7	-1.7	-.4	1.2
1985	-2.8	.6	-.4	-.3	-	-.8	-	-1.5	-2.1	1.4	-1.7	.8
1986	3.0	1.0	1.5	.3	-.9	1.3	2.8	-.3	-.6	-.6	1.5	-1.4
1987	-.1	1.6	-.2	1.4	2.9	3.2	-2.5	4.0	-2.6	.3	.3	-.1
1988	3.1	-2.2	-.7	4.0	.1	3.6	1.7	-.9	2.8	2.1	-2.7	-.8
1989	.5	-.8	1.2	.5	-2.5	.2	1.0	-.6	-.8	2.7	-2.6	.3
1990	-	.8	1.7	1.0	1.3	1.0	-.8	-.2	2.8	5.8	-1.2	1.4
1991	-2.1	-	-2.1	-.6	1.1	-.8	-.1	.5	3.6	-.4	-.1	-.3
<b>FOOD AND KINDRED PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	12 586	12 465	11 866	11 749	11 336	11 010	11 745	12 652	13 305	13 713	13 525	12 706
1983	12 784	12 374	11 817	11 777	11 698	11 482	11 937	12 841	13 256	13 871	13 955	12 893
1984	13 023	12 733	12 673	12 491	12 707	12 590	13 028	13 936	14 129	14 172	14 270	13 294
1985	13 241	13 018	12 609	12 617	12 548	12 053	12 551	13 571	13 571	14 080	13 956	13 251
1986	13 043	12 943	12 421	12 414	12 229	12 036	12 651	13 536	13 531	13 819	13 722	13 106
1987	13 171	12 992	12 493	12 398	12 414	12 378	12 605	13 598	13 816	14 228	14 054	13 387
1988	13 213	13 272	12 749	12 621	12 483	12 525	13 066	14 099	13 921	14 169	14 366	14 272
1989	14 116	14 127	13 504	13 620	13 679	13 662	14 355	15 460	15 826	15 733	15 072	15 072
1990	15 158	15 060	14 565	14 556	14 545	14 469	15 235	16 422	16 860	16 789	16 522	15 890
1991	16 218	16 219	15 534	15 604	15 133	14 986	15 248	16 615	17 215	17 727	17 791	16 879
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	12 335	12 581	12 377	12 376	12 055	11 863	12 330	12 365	12 545	12 618	12 557	12 526
1983	12 575	12 504	12 346	12 397	12 393	12 351	12 465	12 501	12 582	12 811	12 942	12 726
1984	12 831	12 865	13 249	13 152	13 449	13 556	13 573	13 476	13 343	13 116	13 299	13 151
1985	13 110	13 158	13 184	13 284	13 256	12 964	13 027	13 051	13 109	13 105	13 075	13 124
1986	12 957	13 034	12 993	13 057	12 910	12 933	13 088	12 950	12 785	12 902	12 921	12 981
1987	13 115	13 043	13 058	13 015	13 116	13 294	13 007	12 995	13 080	13 329	13 278	13 243
1988	13 136	13 267	13 323	13 224	13 215	13 467	13 495	13 509	13 162	13 286	13 598	14 116
1989	14 014	14 076	14 080	14 444	14 476	14 653	14 780	14 798	14 963	14 797	14 834	14 939
1990	15 064	15 007	15 194	15 193	15 403	15 512	15 659	15 753	15 955	15 812	15 719	15 755
1991	16 106	16 141	16 198	16 271	16 047	16 093	15 687	15 937	16 272	16 703	16 936	16 734
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	2.0	-1.6	-	-2.6	-1.6	3.9	.3	1.5	.6	-.5	-.2
1983	.4	-.6	-1.3	.4	-	-.3	.9	.3	.6	1.8	1.0	-1.7
1984	.8	.3	3.0	-.7	2.3	.8	.1	-.7	-1.0	-1.7	1.4	-1.1
1985	-.3	.4	.2	.8	-.2	-2.2	.5	.2	.4	-	-.2	.4
1986	-1.3	.6	-.3	.5	-1.1	.2	1.2	-1.1	-1.3	.9	.1	.5
1987	1.0	-.5	.1	-.3	.8	1.4	-2.2	-.1	-.7	1.9	-.4	-.3
1988	-.8	1.0	.4	-.7	-.1	1.9	.2	-.1	-2.6	.9	2.3	3.8
1989	-.7	.4	-	2.6	.2	1.2	.9	.1	1.1	-1.1	.3	.7
1990	.8	-.4	1.2	-	1.4	.7	.6	.6	1.3	-.9	-.6	.2
1991	2.2	.2	.4	.4	-1.4	.3	-2.5	1.6	2.1	2.6	1.4	-1.2

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TOBACCO PRODUCTS—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 148	7 132	7 068	7 210	6 959	6 686	6 571	6 599	6 768	6 827	6 908	7 186
1983 ---	6 982	6 944	6 874	6 901	6 614	6 543	6 686	6 504	6 877	7 015	6 987	7 087
1984 ---	7 124	6 949	6 745	6 558	6 274	5 959	5 726	5 927	6 424	6 619	6 591	6 883
1985 ---	7 035	6 949	6 624	6 455	6 116	5 695	5 487	5 528	5 847	6 133	6 005	6 255
1986 ---	6 304	6 255	6 022	5 876	5 586	5 139	4 961	4 963	5 212	5 418	5 440	5 711
1987 ---	5 825	5 743	5 616	5 566	5 456	5 281	5 169	5 194	5 326	5 419	5 362	5 562
1988 ---	5 729	5 636	5 501	5 451	5 186	4 996	4 945	5 069	5 202	5 474	5 337	5 475
1989 ---	5 383	5 422	5 250	5 261	5 115	5 065	5 194	5 334	5 578	5 554	5 554	5 706
1990 ---	6 125	6 157	5 879	5 824	5 528	5 422	5 362	5 599	5 748	5 906	5 723	6 119
1991 ---	6 630	6 632	6 293	6 492	6 121	5 944	6 119	6 242	6 269	6 500	6 222	6 582
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 663	6 679	6 699	6 989	7 064	7 103	7 279	7 153	6 959	6 862	6 833	6 873
1983 ---	6 514	6 503	6 536	6 687	6 713	6 978	7 391	7 056	7 063	7 015	6 915	6 746
1984 ---	6 648	6 516	6 450	6 373	6 376	6 370	6 316	6 421	6 586	6 577	6 527	6 532
1985 ---	6 562	6 526	6 373	6 301	6 225	6 095	6 033	5 973	5 985	6 058	5 948	5 937
1986 ---	5 871	5 887	5 828	5 761	5 693	5 500	5 423	5 331	5 334	5 338	5 397	5 437
1987 ---	5 418	5 411	5 456	5 471	5 573	5 646	5 613	5 535	5 455	5 343	5 332	5 317
1988 ---	5 323	5 312	5 366	5 361	5 316	5 331	5 333	5 353	5 332	5 407	5 322	5 266
1989 ---	4 996	5 101	5 137	5 172	5 262	5 338	5 441	5 442	5 466	5 517	5 551	5 520
1990 ---	5 674	5 779	5 769	5 721	5 703	5 775	5 746	5 836	5 891	5 844	5 731	5 946
1991 ---	6 136	6 205	6 183	6 375	6 323	6 332	6 554	6 493	6 424	6 433	6 236	6 408
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-.2	.3	4.3	1.1	6	2.5	-1.7	-2.7	-1.4	-4	6
1983 ---	-5.2	-.2	.5	2.3	4	3.9	5.9	-4.5	1	-7	-1.4	-2.4
1984 ---	-1.5	-2.0	-1.0	-1.2	-.1	-1	-8	1.7	2.6	-1	-8	1
1985 ---	.5	-.5	-2.3	-1.1	-1.2	-2.1	-1.0	-1.0	2	1.2	-1.8	-2
1986 ---	-1.1	-.3	-1.0	-1.1	-1.2	-1.9	-1.4	-1.7	1	1	1.1	7
1987 ---	-.3	-.1	.8	-.3	1.9	1.3	-.6	-1.4	-.4	-2.1	-.2	-.3
1988 ---	-.1	-.2	1.0	-.1	-.8	1.3	-.4	-.4	1.4	1.4	-1.6	-1.1
1989 ---	-5.1	2.1	.7	1.7	1.4	1.9	1.9	4	4	4	6	-.6
1990 ---	2.8	1.9	-.2	-.8	-.3	1.3	-.5	1.6	9	-.8	-1.9	3.8
1991 ---	3.2	1.1	-.4	3.1	-.8	.1	3.5	-.9	-1.1	1	-3.1	2.8
<b>TOBACCO PRODUCTS—MATERIAL AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 419	6 348	6 189	6 386	6 150	5 911	5 786	5 854	5 938	5 993	6 031	6 498
1983 ---	6 226	6 102	6 053	6 034	5 784	5 694	5 706	5 634	5 950	6 043	5 918	6 286
1984 ---	6 151	5 997	5 759	5 589	5 399	5 094	4 966	5 179	5 539	5 586	5 662	6 069
1985 ---	6 001	5 832	5 550	5 323	5 177	4 850	4 645	4 672	4 949	4 942	4 839	5 419
1986 ---	5 268	5 138	4 971	4 759	4 581	4 241	4 014	3 960	4 094	4 047	4 103	4 891
1987 ---	4 803	4 697	4 616	4 528	4 514	4 409	4 248	4 229	4 412	4 304	4 304	4 692
1988 ---	4 671	4 495	4 396	4 246	4 113	3 952	3 867	3 901	4 032	4 131	4 110	4 491
1989 ---	4 215	4 175	4 086	4 022	3 986	3 877	3 837	3 949	4 156	4 271	4 368	4 788
1990 ---	4 846	4 699	4 621	4 540	4 399	4 200	4 174	4 256	4 359	4 415	4 580	4 921
1991 ---	4 996	4 859	4 841	4 771	4 688	4 563	4 575	4 688	4 803	4 825	4 841	5 459
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	5 925	5 926	5 876	6 203	6 248	6 308	6 401	6 315	6 140	6 139	6 029	6 087
1983 ---	5 753	5 695	5 762	5 866	5 866	6 099	6 306	6 087	6 101	6 136	5 933	5 820
1984 ---	5 691	5 626	5 534	5 481	5 485	5 453	5 472	5 595	5 677	5 671	5 653	5 588
1985 ---	5 554	5 487	5 358	5 261	5 256	5 179	5 102	5 040	5 065	5 031	4 843	4 970
1986 ---	4 860	4 846	4 812	4 726	4 647	4 510	4 385	4 264	4 196	4 150	4 128	4 484
1987 ---	4 418	4 444	4 479	4 507	4 584	4 687	4 623	4 540	4 521	4 375	4 322	4 300
1988 ---	4 280	4 264	4 274	4 228	4 174	4 175	4 185	4 168	4 142	4 238	4 142	4 107
1989 ---	3 848	3 967	3 979	4 003	4 057	4 095	4 152	4 204	4 267	4 361	4 387	4 419
1990 ---	4 425	4 476	4 525	4 525	4 496	4 446	4 520	4 520	4 460	4 496	4 578	4 496
1991 ---	4 562	4 642	4 750	4 780	4 795	4 837	4 972	4 974	4 914	4 907	4 831	5 023
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	-.8	5.6	7	1.0	1.5	-1.3	-2.8	-	-1.8	1.0
1983 ---	-5.5	-1.0	1.2	1.8	-	4.0	3.4	-3.5	2	6	-3.3	-1.9
1984 ---	-2.2	-1.1	-1.6	-1.0	-.1	-.6	3	2.2	1.5	-.1	-.3	-1.1
1985 ---	-.6	-1.2	-2.4	-1.8	-.1	-1.5	-1.5	-1.2	5	-7	-3.7	2.6
1986 ---	-2.2	-.3	-.7	-1.8	-1.7	-2.9	-2.8	-2.8	-1.6	-1.1	-.5	8.6
1987 ---	-1.5	6	8	6	1.7	2.2	-1.4	-1.6	-.4	-3.2	-1.2	-.5
1988 ---	-.5	-.4	2	-1.1	-1.3	-.1	2	-.4	-.6	2.3	-2.3	-.8
1989 ---	-6.3	3.1	3	6	1.3	9	1.4	1.3	1.5	2.2	6	7
1990 ---	1	1.2	1.1	-.6	-.6	-1.1	1.7	-.1	-1.3	8	1.8	4.8
1991 ---	1.5	1.8	2.3	6	3	9	2.8	-.1	-1.2	-.1	-1.5	4.0

See footnotes at end of table.



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TOBACCO PRODUCTS—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	97	134	136	92	95	75	106	151	252	261	190	114
1983 ---	147	211	148	111	111	68	93	59	118	154	249	91
1984 ---	95	86	73	74	74	67	74	70	120	187	147	120
1985 ---	107	89	79	89	86	78	77	86	106	213	156	134
1986 ---	100	132	102	109	91	101	92	107	162	219	187	133
1987 ---	98	111	91	80	82	69	67	67	99	139	139	130
1988 ---	146	136	117	124	136	125	118	138	184	230	202	141
1989 ---	190	167	142	127	124	106	109	124	161	186	173	121
1990 ---	147	111	88	83	81	71	71	72	97	136	111	100
1991 ---	69	76	69	56	55	51	55	71	94	126	127	55
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	106	147	163	122	124	118	148	178	182	155	121	122
1983 ---	160	224	175	143	143	104	130	72	87	91	165	94
1984 ---	103	89	86	93	94	99	104	87	93	112	101	117
1985 ---	114	90	94	109	108	111	106	109	86	129	110	124
1986 ---	106	133	122	132	113	138	126	134	136	136	135	121
1987 ---	102	110	109	97	102	93	91	83	84	86	101	118
1988 ---	151	133	138	151	169	168	160	166	157	145	147	130
1989 ---	196	163	166	156	153	143	148	146	137	119	126	114
1990 ---	151	108	102	102	99	96	93	83	83	88	81	95
1991 ---	69	74	80	70	67	69	74	81	80	82	92	53
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	38.7	10.9	-25.2	1.6	-4.8	25.4	20.3	2.2	-14.8	-21.9	.8
1983 ---	31.1	40.0	-21.9	-18.3	-	-27.3	25.0	-44.6	20.8	4.6	81.3	-43.0
1984 ---	9.6	-13.6	-3.4	8.1	1.1	5.3	5.1	-16.3	6.9	20.4	-9.8	15.8
1985 ---	-2.6	-21.1	4.4	16.0	-9	2.8	-4.5	2.8	-21.1	50.0	-14.7	12.7
1986 ---	-14.5	25.5	-8.3	8.2	-14.4	22.1	-8.7	6.3	1.5	-	-7	-10.4
1987 ---	-15.7	7.8	-9	-11.0	5.2	-8.8	-2.2	-8.8	1.2	2.4	17.4	18.8
1988 ---	28.0	-11.9	3.8	9.4	11.9	-6	-4.8	3.8	-5.4	-7.6	1.4	-11.8
1989 ---	50.8	-16.8	1.8	-6.0	-1.9	-6.5	3.5	-1.4	-6.2	-13.1	5.9	-9.5
1990 ---	32.5	-28.5	-5.6	-	-2.9	-3.0	-	-13.5	-	6.0	-8.0	17.3
1991 ---	-27.4	7.2	8.1	-12.5	-4.3	3.0	7.2	9.5	-1.2	2.5	12.2	-42.4
<b>TOBACCO PRODUCTS—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	632	650	743	732	714	700	679	594	578	573	687	574
1983 ---	609	631	673	756	719	781	887	811	809	818	820	710
1984 ---	878	866	913	895	801	798	686	678	765	846	782	694
1985 ---	927	1 028	995	1 043	853	767	765	770	792	978	1 010	702
1986 ---	936	985	949	1 008	914	797	855	896	956	1 152	1 150	687
1987 ---	924	935	909	858	860	803	854	898	815	976	919	740
1988 ---	912	1 005	988	1 081	937	919	960	1 030	986	1 113	1 025	843
1989 ---	978	1 080	1 022	1 112	1 005	1 027	1 119	1 121	1 017	1 121	1 013	797
1990 ---	1 132	1 347	1 170	1 201	1 048	1 151	1 117	1 271	1 292	1 355	1 032	1 098
1991 ---	1 565	1 697	1 383	1 665	1 378	1 330	1 489	1 483	1 372	1 549	1 254	1 068
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	632	606	660	664	692	677	730	660	637	568	683	664
1983 ---	601	584	599	678	704	775	955	897	875	768	817	832
1984 ---	854	801	830	799	797	818	740	739	816	794	773	827
1985 ---	894	949	921	931	861	805	825	824	834	898	995	843
1986 ---	905	908	894	903	933	852	912	933	1 002	1 052	1 134	832
1987 ---	898	857	868	867	887	866	899	912	850	882	909	899
1988 ---	892	915	954	982	973	988	988	1 019	1 033	1 024	1 033	1 029
1989 ---	952	971	992	1 013	1 052	1 100	1 141	1 092	1 062	1 037	1 038	987
1990 ---	1 098	1 195	1 142	1 094	1 108	1 233	1 130	1 233	1 348	1 260	1 072	1 355
1991 ---	1 505	1 489	1 353	1 525	1 461	1 426	1 508	1 438	1 430	1 444	1 313	1 332
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-4.1	8.9	6	4.2	-2.2	7.8	-9.6	-3.5	-10.8	20.2	-2.8
1983 ---	-9.5	-2.8	2.6	13.2	3.8	10.1	23.2	-6.1	-2.5	-9.9	3.7	1.8
1984 ---	2.6	-6.2	3.6	-3.7	-3	2.6	-9.5	-1	10.4	-2.7	-2.6	7.0
1985 ---	8.1	6.2	-3.0	1.1	-7.5	-6.5	2.5	-1	1.2	7.7	10.8	-15.3
1986 ---	7.4	.3	-1.5	1.0	3.3	-8.7	7.0	2.3	7.4	5.0	7.8	-26.6
1987 ---	7.9	-4.6	1.3	-1	2.3	-2.4	3.8	1.4	-6.8	3.8	3.1	-1.1
1988 ---	-8	2.6	4.3	2.9	-9	1.5	-	3.1	1.4	-9	1	-4
1989 ---	-7.5	2.0	2.2	2.1	3.8	4.6	3.7	-4.3	-2.7	-2.4	1	-4.9
1990 ---	11.2	8.8	-4.4	-4.2	1.3	11.3	-8.4	9.1	9.3	-6.5	-14.9	26.4
1991 ---	11.1	-1.1	-9.1	12.7	-4.2	-2.4	5.8	-4.6	-6	1.0	-9.1	1.4

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TEXTILE MILL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 081	7 172	7 071	7 071	7 085	6 826	6 812	6 717	6 558	6 436	6 527	6 551
1983 ---	6 720	6 780	6 843	6 925	7 103	7 091	7 130	7 165	7 178	7 240	7 329	7 312
1984 ---	7 560	7 705	7 856	7 913	8 105	8 079	8 087	8 067	7 883	7 828	7 689	7 599
1985 ---	7 678	7 842	7 783	7 746	7 686	7 559	7 434	7 302	7 277	7 278	7 234	7 197
1986 ---	7 113	7 338	7 430	7 500	7 511	7 516	7 400	7 146	7 043	6 874	6 903	6 939
1987 ---	7 173	7 465	7 656	7 731	7 733	7 677	7 695	7 831	7 671	7 675	7 704	7 643
1988 ---	7 944	8 066	8 153	8 347	8 430	8 417	8 517	8 423	8 089	8 111	8 176	8 079
1989 ---	8 339	8 430	8 326	8 589	8 757	8 631	8 779	8 766	8 509	8 484	8 359	8 344
1990 ---	8 662	8 907	8 944	9 139	9 227	8 984	9 058	8 984	8 850	8 792	8 627	8 431
1991 ---	8 776	8 890	8 690	8 797	8 858	8 619	8 729	8 631	8 580	8 541	8 328	8 235
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	7 051	7 033	6 917	6 898	6 878	6 731	6 784	6 738	6 711	6 650	6 713	6 723
1983 ---	6 717	6 679	6 712	6 777	6 901	6 986	7 084	7 173	7 316	7 445	7 524	7 514
1984 ---	7 588	7 620	7 723	7 754	7 879	7 955	8 015	8 061	8 015	8 024	7 888	7 827
1985 ---	7 734	7 783	7 662	7 587	7 476	7 431	7 346	7 280	7 391	7 454	7 429	7 436
1986 ---	7 179	7 293	7 324	7 335	7 298	7 382	7 290	7 111	7 152	7 036	7 099	7 192
1987 ---	7 244	7 421	7 558	7 550	7 513	7 549	7 561	7 784	7 791	7 860	7 930	7 942
1988 ---	8 014	8 008	8 060	8 146	8 185	8 294	8 358	8 366	8 213	8 301	8 420	8 419
1989 ---	8 402	8 358	8 249	8 385	8 495	8 519	8 601	8 696	8 632	8 673	8 608	8 716
1990 ---	8 721	8 819	8 880	8 932	8 940	8 881	8 869	8 907	8 967	8 971	8 890	8 822
1991 ---	8 633	8 793	8 640	8 606	8 578	8 527	8 544	8 555	8 687	8 708	8 588	8 623
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-3	-1.6	-3	-3	-2.1	.8	-7	-4	-9	.9	.1
1983 ---	-1	-6	.5	1.0	1.8	1.2	1.4	1.3	2.0	1.8	1.1	-1
1984 ---	1.0	.4	1.4	.4	1.6	1.0	.8	.6	-6	.1	-1.7	-8
1985 ---	-1.2	.6	-1.6	-1.0	-1.5	-6	-1.1	-9	1.5	.9	-3	.1
1986 ---	-3.5	1.6	.4	.2	-5	1.2	-1.2	-2.5	.6	-1.6	.9	1.3
1987 ---	.7	2.4	1.8	-1	-5	.5	.2	2.9	.1	.9	.9	2
1988 ---	.9	-1	.6	1.1	.5	1.3	.8	.1	-1.8	1.1	1.4	-
1989 ---	-2	-5	-1.3	1.6	1.3	.3	1.0	1.1	-7	.5	-7	1.3
1990 ---	.1	1.1	.7	.6	.1	-7	-1	.4	.7	-	-9	-8
1991 ---	.1	-5	-1.7	-4	-3	-6	.2	.1	1.5	.2	-1.4	4
<b>TEXTILE MILL PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 128	2 109	2 109	2 068	2 078	1 990	1 999	1 949	1 882	1 808	1 879	1 929
1983 ---	1 972	1 941	2 000	2 017	2 081	2 102	2 191	2 169	2 162	2 160	2 188	2 226
1984 ---	2 292	2 364	2 386	2 381	2 447	2 443	2 413	2 313	2 234	2 160	2 129	2 145
1985 ---	2 178	2 244	2 211	2 171	2 164	2 105	2 116	2 047	1 993	1 947	1 928	2 014
1986 ---	2 036	2 090	2 161	2 194	2 169	2 224	2 097	2 039	1 918	1 907	1 910	2 018
1987 ---	2 013	2 151	2 147	2 203	2 229	2 178	2 194	2 226	2 240	2 210	2 236	2 284
1988 ---	2 375	2 417	2 473	2 518	2 507	2 456	2 513	2 424	2 372	2 283	2 304	2 381
1989 ---	2 307	2 366	2 353	2 432	2 515	2 488	2 584	2 551	2 452	2 436	2 396	2 471
1990 ---	2 525	2 555	2 551	2 675	2 622	2 585	2 597	2 558	2 534	2 485	2 463	2 505
1991 ---	2 623	2 633	2 574	2 546	2 559	2 513	2 562	2 507	2 456	2 487	2 459	2 544
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	2 105	2 067	2 043	2 004	2 000	1 941	1 961	1 967	1 961	1 920	1 976	1 950
1983 ---	1 962	1 910	1 944	1 965	2 008	2 053	2 144	2 178	2 235	2 279	2 300	2 260
1984 ---	2 293	2 329	2 325	2 323	2 362	2 392	2 357	2 315	2 296	2 269	2 240	2 186
1985 ---	2 188	2 213	2 155	2 114	2 088	2 062	2 066	2 047	2 042	2 044	2 033	2 059
1986 ---	2 048	2 062	2 110	2 130	2 088	2 183	2 045	2 038	1 962	1 997	2 014	2 068
1987 ---	2 025	2 125	2 101	2 131	2 148	2 144	2 141	2 225	2 290	2 312	2 351	2 341
1988 ---	2 382	2 387	2 430	2 434	2 421	2 425	2 451	2 422	2 425	2 383	2 416	2 442
1989 ---	2 304	2 339	2 322	2 352	2 435	2 461	2 517	2 545	2 506	2 536	2 504	2 535
1990 ---	2 516	2 526	2 527	2 594	2 543	2 560	2 526	2 549	2 591	2 579	2 573	2 569
1991 ---	2 609	2 602	2 555	2 472	2 485	2 489	2 491	2 496	2 513	2 578	2 570	2 612
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.8	-1.2	-1.9	-2	-3.0	1.0	.3	-3	-2.1	2.9	-1.3
1983 ---	.6	-2.7	1.8	1.1	2.2	2.2	4.4	1.6	2.6	2.0	.9	-1.7
1984 ---	1.5	1.6	-.2	-.1	1.7	1.3	-1.5	-1.8	-.2	-1.2	-1.3	-2.4
1985 ---	.1	1.1	-2.6	-1.9	-1.2	-1.2	.2	-.9	-.2	.1	-.5	1.3
1986 ---	-.5	.7	2.3	.9	-2.0	4.5	-6.3	-.3	-3.7	1.8	.9	2.7
1987 ---	-2.1	4.9	-1.1	1.4	.8	-.2	-.1	3.9	2.9	1.0	1.7	1.1
1988 ---	1.8	.2	1.8	.2	-.5	.2	1.1	-1.2	.1	-1.7	1.4	-.4
1989 ---	-5.7	1.5	-.7	1.3	3.5	1.1	2.3	1.1	-1.5	1.2	-1.3	1.2
1990 ---	-.7	.4	-.	2.7	-2.0	.7	-1.3	.9	1.6	-.5	-.2	-.2
1991 ---	1.6	-.3	-1.8	-3.2	.5	.2	.1	.2	7	2.6	-.3	1.6

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>TEXTILE MILL PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	2 251	2 298	2 213	2 233	2 195	2 102	2 139	2 114	2 111	2 072	2 059	2 060
1983	2 106	2 109	2 109	2 120	2 126	2 104	2 105	2 140	2 198	2 245	2 291	2 241
1984	2 299	2 332	2 369	2 296	2 338	2 257	2 305	2 447	2 327	2 335	2 317	2 266
1985	2 255	2 274	2 256	2 235	2 213	2 153	2 138	2 109	2 124	2 073	2 028	2 148
1986	2 011	2 113	2 137	2 147	2 170	2 116	2 167	2 026	2 088	2 109	2 109	2 047
1987	2 210	2 253	2 299	2 277	2 233	2 213	2 225	2 293	2 271	2 256	2 257	2 228
1988	2 326	2 319	2 319	2 341	2 382	2 406	2 435	2 369	2 326	2 386	2 397	2 356
1989	2 421	2 456	2 473	2 489	2 460	2 470	2 519	2 486	2 488	2 478	2 457	2 422
1990	2 486	2 508	2 586	2 518	2 586	2 498	2 536	2 536	2 507	2 500	2 440	2 341
1991	2 443	2 460	2 426	2 463	2 448	2 442	2 501	2 493	2 523	2 499	2 408	2 342
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	2 236	2 260	2 180	2 206	2 174	2 138	2 168	2 123	2 115	2 077	2 060	2 094
1983	2 094	2 082	2 078	2 100	2 106	2 139	2 130	2 153	2 200	2 241	2 285	2 278
1984	2 289	2 312	2 335	2 278	2 317	2 294	2 328	2 465	2 331	2 329	2 305	2 305
1985	2 246	2 262	2 223	2 219	2 193	2 180	2 151	2 123	2 131	2 272	2 222	2 192
1986	2 004	2 103	2 108	2 131	2 150	2 132	2 169	2 038	2 095	2 073	2 109	2 096
1987	2 205	2 243	2 270	2 214	2 222	2 214	2 214	2 302	2 278	2 261	2 265	2 290
1988	2 321	2 307	2 291	2 321	2 366	2 409	2 412	2 373	2 329	2 396	2 416	2 431
1989	2 418	2 442	2 445	2 470	2 444	2 469	2 485	2 481	2 488	2 486	2 483	2 506
1990	2 491	2 492	2 561	2 501	2 569	2 496	2 496	2 526	2 502	2 504	2 469	2 425
1991	2 456	2 444	2 405	2 447	2 431	2 439	2 458	2 481	2 516	2 501	2 438	2 430
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	1.1	-3.5	1.2	-1.5	-1.7	1.4	-2.1	-4	-1.8	-8	1.7
1983	-	-6	-2	1.1	.3	1.6	-4	1.1	2.2	1.9	2.0	-3
1984	.5	1.0	1.0	-2.4	1.7	-1.0	1.5	5.9	-5.4	-1	-1.0	-
1985	-2.6	.7	-1.7	-2	-1.2	-6	-1.3	-1.3	4	6.6	-2.2	-1.4
1986	-8.6	4.9	.2	1.1	.9	-8	1.7	-6.0	2.8	-1.1	1.7	-6
1987	5.2	1.7	1.2	-4	-2.0	.4	-4	-1.0	-1.0	-7	.2	1.1
1988	1.4	-6	-7	1.3	1.9	1.8	.1	-1.6	-1.9	2.9	.8	.6
1989	-5	1.0	.1	1.0	-1.1	1.0	.6	-2	.3	-1	-1	.9
1990	-6	-	2.8	-2.3	2.7	-2.8	-	1.2	-1.0	.1	-1.4	-1.8
1991	1.3	-5	-1.6	1.7	-7	.3	.8	.9	1.4	-6	-2.5	-3
<b>TEXTILE MILL PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982	2 702	2 765	2 749	2 770	2 812	2 734	2 674	2 654	2 565	2 556	2 589	2 562
1983	2 642	2 730	2 734	2 788	2 896	2 885	2 834	2 856	2 818	2 835	2 850	2 845
1984	2 969	3 009	3 101	3 236	3 320	3 379	3 369	3 307	3 322	3 333	3 243	3 188
1985	3 245	3 324	3 316	3 340	3 309	3 301	3 180	3 146	3 160	3 056	3 078	3 035
1986	3 066	3 135	3 132	3 159	3 172	3 176	3 136	3 081	3 037	2 894	2 884	2 874
1987	2 950	3 061	3 210	3 251	3 271	3 286	3 276	3 312	3 160	3 209	3 211	3 131
1988	3 243	3 330	3 361	3 488	3 541	3 555	3 569	3 630	3 391	3 442	3 475	3 342
1989	3 611	3 608	3 500	3 668	3 782	3 673	3 676	3 729	3 569	3 570	3 506	3 451
1990	3 651	3 844	3 807	3 946	4 019	3 901	3 825	3 890	3 809	3 807	3 724	3 585
1991	3 710	3 797	3 690	3 788	3 851	3 664	3 666	3 631	3 601	3 555	3 461	3 349
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982	2 710	2 706	2 694	2 688	2 704	2 652	2 655	2 648	2 635	2 653	2 677	2 679
1983	2 661	2 687	2 690	2 712	2 787	2 794	2 810	2 842	2 881	2 925	2 939	2 976
1984	3 006	2 979	3 063	3 153	3 200	3 269	3 330	3 281	3 388	3 426	3 343	3 336
1985	3 300	3 308	3 284	3 254	3 195	3 189	3 129	3 110	3 218	3 138	3 174	3 185
1986	3 127	3 128	3 106	3 074	3 060	3 067	3 076	3 035	3 095	2 966	2 976	3 028
1987	3 014	3 053	3 187	3 159	3 151	3 183	3 206	3 257	3 223	3 287	3 314	3 311
1988	3 311	3 314	3 339	3 391	3 398	3 460	3 495	3 571	3 459	3 522	3 588	3 546
1989	3 680	3 577	3 482	3 563	3 616	3 589	3 599	3 670	3 638	3 651	3 621	3 675
1990	3 714	3 801	3 792	3 837	3 828	3 825	3 847	3 832	3 874	3 888	3 848	3 828
1991	3 768	3 747	3 680	3 687	3 662	3 599	3 595	3 578	3 658	3 629	3 580	3 581
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982	(X)	-1	-4	-2	.6	-1.9	1	-3	-5	.7	.9	.1
1983	-7	1.0	.1	.8	2.8	.3	.6	1.1	1.4	1.5	.5	1.3
1984	1.0	-9	2.8	2.9	1.5	2.2	1.9	-1.5	3.3	1.1	-2.4	-2
1985	-1.1	.2	-7	-9	-1.8	-2	-1.9	-6	3.5	-2.5	1.1	.3
1986	-1.8	-	-4	-1.0	-5	.2	.3	-1.3	2.0	-4.2	.3	1.7
1987	-5	1.3	.7	-9	-3	1.0	.7	1.6	-1.0	2.0	.8	-1
1988	-	.1	.8	1.6	.2	1.8	1.0	2.2	-3.1	1.8	1.9	-1.2
1989	3.8	-2.8	-2.7	2.3	1.5	-7	.3	2.0	-9	.4	-8	1.5
1990	1.1	2.3	-2	1.2	-2	-1	.6	-4	1.1	.4	-1.0	-5
1991	-1.6	-6	-1.8	.2	-7	-1.7	-1	-5	2.2	-8	-1.4	-

See footnotes at end of table.



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PAPER AND ALLIED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 812	9 076	9 223	9 342	9 376	9 295	9 138	9 045	8 907	8 961	8 984	8 898
1983 ---	8 839	8 886	8 904	8 955	9 051	9 030	8 891	8 830	8 736	8 851	9 114	9 075
1984 ---	9 161	9 352	9 495	9 756	9 902	9 959	9 987	9 948	9 943	10 058	10 232	10 183
1985 ---	10 334	10 405	10 524	10 513	10 428	10 340	10 027	10 007	9 846	9 894	9 978	10 072
1986 ---	10 116	10 111	10 210	10 319	10 313	10 289	10 343	10 254	10 038	9 996	10 132	10 199
1987 ---	10 410	10 608	10 838	10 906	11 014	10 966	10 854	10 867	10 775	10 721	10 836	11 111
1988 ---	11 253	11 325	11 378	11 575	11 624	11 659	11 676	11 758	11 786	11 854	12 139	12 385
1989 ---	12 505	12 542	12 584	12 716	12 864	13 058	13 107	13 135	13 033	13 001	13 103	13 190
1990 ---	13 489	13 537	13 478	13 529	13 539	13 560	13 511	13 282	13 149	13 054	13 194	13 390
1991 ---	13 713	13 894	13 913	13 934	13 765	13 536	13 388	13 066	12 994	13 091	13 316	13 474
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 891	9 048	9 126	9 109	9 128	9 102	9 087	9 113	9 148	9 151	9 119	9 022
1983 ---	8 893	8 848	8 809	8 749	8 837	8 868	8 853	8 911	8 959	9 133	9 228	9 192
1984 ---	9 197	9 305	9 392	9 543	9 687	9 801	9 960	10 042	10 178	10 261	10 350	10 297
1985 ---	10 348	10 345	10 408	10 302	10 222	10 198	10 012	10 096	10 061	10 099	10 088	10 170
1986 ---	10 108	10 046	10 097	10 128	10 128	10 157	10 334	10 330	10 241	10 218	10 253	10 280
1987 ---	10 378	10 531	10 725	10 723	10 842	10 842	10 842	10 937	10 974	10 975	10 980	11 183
1988 ---	11 190	11 231	11 260	11 397	11 462	11 540	11 660	11 832	12 000	12 145	12 306	12 450
1989 ---	12 406	12 421	12 457	12 532	12 700	12 935	13 082	13 228	13 271	13 327	13 289	13 247
1990 ---	13 351	13 399	13 343	13 341	13 379	13 443	13 480	13 388	13 404	13 384	13 379	13 448
1991 ---	13 554	13 736	13 775	13 742	13 608	13 422	13 353	13 177	13 249	13 426	13 508	13 532
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.8	.9	-.2	.2	-.3	-.2	.3	.4	-	-.3	-1.1
1983 ---	-1.4	-.5	-.4	-.7	1.0	.4	-.2	.7	.5	1.9	1.0	-.4
1984 ---	.1	1.2	-.9	1.6	1.5	1.2	1.6	.8	1.4	.8	.9	-.5
1985 ---	.5	-.2	.6	-1.0	-.8	-.2	-1.8	.8	-.3	.4	-.1	.8
1986 ---	-.6	-.6	.5	-.3	-.3	.3	1.7	-.9	-.9	-.2	.3	.3
1987 ---	1.0	1.5	1.8	1.1	1.1	-.7	-.9	-.3	-.3	-.3	-.3	1.8
1988 ---	-.1	.4	.3	1.2	.6	.7	1.0	1.5	1.4	1.2	1.3	1.2
1989 ---	-.4	.1	-.3	.6	1.3	1.9	1.1	1.1	.3	.4	-.3	-.3
1990 ---	.8	.4	-.4	-.3	-.3	-.5	-.3	-.7	.1	-.1	-.1	.5
1991 ---	.8	1.3	.3	-.2	-1.0	-1.4	-.5	-1.3	.5	1.3	.6	.2
<b>PAPER AND ALLIED PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 583	4 700	4 752	4 796	4 716	4 669	4 669	4 575	4 555	4 572	4 561	4 697
1983 ---	4 604	4 565	4 535	4 524	4 522	4 587	4 520	4 575	4 602	4 715	4 789	4 843
1984 ---	4 834	4 926	5 028	5 126	5 194	5 350	5 310	5 263	5 315	5 292	5 322	5 352
1985 ---	5 294	5 278	5 275	5 252	5 204	5 147	5 016	5 046	4 946	4 979	5 025	5 136
1986 ---	5 174	5 231	5 290	5 235	5 204	5 231	5 269	5 214	5 215	5 160	5 207	5 315
1987 ---	5 298	5 474	5 581	5 606	5 589	5 667	5 667	5 688	5 765	5 720	5 708	5 974
1988 ---	5 989	6 033	6 099	6 145	6 176	6 292	6 300	6 393	6 475	6 450	6 518	6 872
1989 ---	6 680	6 652	6 623	6 581	6 622	6 774	6 824	6 852	6 872	6 831	6 891	6 949
1990 ---	7 003	6 989	6 925	6 844	6 917	6 993	6 914	6 793	6 830	6 733	6 858	6 955
1991 ---	7 048	7 017	6 948	6 829	6 798	6 760	6 739	6 589	6 679	6 764	6 755	6 959
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 620	4 701	4 722	4 729	4 685	4 612	4 632	4 591	4 593	4 628	4 648	4 685
1983 ---	4 624	4 554	4 504	4 466	4 500	4 540	4 495	4 606	4 649	4 776	4 862	4 827
1984 ---	4 842	4 902	4 989	5 061	5 168	5 301	5 298	5 306	5 368	5 362	5 391	5 328
1985 ---	5 289	5 241	5 232	5 199	5 190	5 113	5 019	5 089	4 981	5 046	5 081	5 106
1986 ---	5 159	5 189	5 246	5 191	5 199	5 200	5 281	5 251	5 244	5 233	5 262	5 281
1987 ---	5 275	5 428	5 540	5 569	5 596	5 642	5 682	5 725	5 785	5 805	5 766	5 931
1988 ---	5 946	5 983	6 060	6 113	6 191	6 268	6 317	6 435	6 497	6 546	6 579	6 614
1989 ---	6 613	6 599	6 590	6 559	6 651	6 753	6 843	6 901	6 887	6 928	6 952	6 874
1990 ---	6 911	6 941	6 900	6 930	6 956	6 977	6 930	6 843	6 852	6 824	6 913	6 874
1991 ---	6 940	6 969	6 929	6 925	6 845	6 747	6 750	6 640	6 701	6 856	6 808	6 875
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.8	.4	.1	-.9	-1.6	.4	-.9	-.8	.8	.4	.8
1983 ---	-1.3	-1.5	-1.1	-.8	.8	.9	-1.0	2.5	.9	2.7	1.8	-.7
1984 ---	.3	1.2	1.8	1.4	2.1	2.6	-.1	.2	1.2	-.1	.5	-1.2
1985 ---	-.7	-.9	-.2	-.6	-.2	-1.5	-1.8	1.4	-2.1	1.3	.7	.5
1986 ---	1.0	.6	1.1	-1.0	.2	-.3	1.6	-.6	-.1	-.2	.6	.4
1987 ---	-.1	2.9	2.1	.5	.5	.8	.7	.8	1.0	.3	-.7	2.9
1988 ---	.3	.6	1.3	.9	1.3	1.2	.8	1.9	1.0	.8	.5	.5
1989 ---	-.1	-.2	-.1	-.5	1.4	1.5	1.3	.8	-.2	.6	.3	-1.1
1990 ---	.5	.4	-.6	.4	.4	.3	-.7	-1.3	.1	-.4	1.3	-.6
1991 ---	1.0	.4	-.6	-.1	-1.2	-1.4	-.6	-1.6	.9	2.3	-.7	1.0

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PAPER AND ALLIED PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 009	1 002	1 000	1 006	1 027	1 065	1 048	1 077	1 060	1 036	988	932
1983 ---	953	979	969	988	992	1 026	1 048	1 026	1 003	1 017	1 020	1 005
1984 ---	1 033	1 057	1 065	1 077	1 111	1 101	1 113	1 123	1 150	1 164	1 182	1 172
1985 ---	1 169	1 171	1 210	1 178	1 201	1 215	1 186	1 200	1 192	1 182	1 214	1 182
1986 ---	1 162	1 144	1 144	1 144	1 149	1 133	1 202	1 214	1 181	1 187	1 194	1 154
1987 ---	1 180	1 165	1 203	1 204	1 241	1 230	1 205	1 241	1 221	1 206	1 208	1 186
1988 ---	1 208	1 232	1 218	1 261	1 259	1 322	1 322	1 336	1 319	1 306	1 336	1 355
1989 ---	1 369	1 322	1 389	1 425	1 419	1 452	1 479	1 453	1 383	1 422	1 364	1 356
1990 ---	1 365	1 378	1 401	1 397	1 364	1 395	1 407	1 348	1 296	1 301	1 309	1 327
1991 ---	1 286	1 321	1 329	1 274	1 294	1 299	1 260	1 233	1 175	1 148	1 167	1 154
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 024	1 007	1 000	996	1 013	1 041	1 040	1 062	1 055	1 048	992	960
1983 ---	967	985	972	985	982	1 006	1 038	1 010	998	1 023	1 022	1 033
1984 ---	1 048	1 066	1 069	1 078	1 100	1 083	1 100	1 105	1 144	1 167	1 181	1 200
1985 ---	1 185	1 185	1 215	1 182	1 192	1 200	1 169	1 180	1 186	1 184	1 212	1 207
1986 ---	1 179	1 160	1 148	1 148	1 141	1 120	1 180	1 192	1 178	1 194	1 195	1 177
1987 ---	1 196	1 163	1 205	1 204	1 234	1 215	1 177	1 217	1 223	1 219	1 215	1 209
1988 ---	1 224	1 250	1 217	1 255	1 252	1 238	1 287	1 311	1 329	1 326	1 351	1 380
1989 ---	1 364	1 339	1 384	1 414	1 412	1 427	1 435	1 428	1 398	1 450	1 386	1 378
1990 ---	1 377	1 396	1 394	1 384	1 359	1 367	1 363	1 326	1 315	1 330	1 333	1 347
1991 ---	1 296	1 337	1 321	1 261	1 291	1 271	1 220	1 213	1 195	1 175	1 190	1 170
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.7	-7	-4	1.7	2.8	-1	2.1	-7	-7	-5.3	-3.2
1983 ---	.7	1.9	-1.3	1.3	-3	2.4	3.2	-2.7	-1.2	2.5	-1	1.1
1984 ---	1.5	1.7	.3	.8	2.0	-1.5	1.6	.5	3.5	2.0	1.2	1.6
1985 ---	-1.3	-	2.5	-2.7	.8	.7	-2.6	.9	.5	-2	2.4	-4
1986 ---	-2.3	-1.6	-1.0	-	-6	-1.8	5.4	1.0	-1.2	1.4	.1	-1.5
1987 ---	1.6	-1.1	1.9	-1	2.5	-1.5	-3.1	3.4	.5	-3	-3	-5
1988 ---	1.2	2.1	-2.6	3.1	-2	-1.1	4.0	1.9	1.4	-2	1.9	2.1
1989 ---	.3	-3.3	3.4	2.2	-1	1.1	.6	-5	-2.1	3.7	-4.4	-6
1990 ---	-1	1.4	-1	-7	-1.8	.6	-3	-2.7	-8	1.1	2	1.1
1991 ---	-3.8	3.2	-1.2	-4.5	2.4	-1.5	-4.0	-6	-1.5	-1.7	1.3	-1.7
<b>PAPER AND ALLIED PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 220	3 374	3 471	3 540	3 633	3 561	3 421	3 393	3 292	3 353	3 435	3 269
1983 ---	3 282	3 342	3 400	3 443	3 537	3 417	3 323	3 229	3 131	3 219	3 305	3 227
1984 ---	3 294	3 369	3 402	3 553	3 597	3 508	3 564	3 562	3 478	3 602	3 728	3 659
1985 ---	3 871	3 956	4 039	4 083	4 023	3 978	3 825	3 761	3 708	3 733	3 739	3 754
1986 ---	3 780	3 736	3 776	3 940	3 960	3 872	3 826	3 642	3 649	3 649	3 731	3 730
1987 ---	3 932	3 969	4 054	4 096	4 184	4 069	3 982	3 938	3 789	3 795	3 920	3 951
1988 ---	4 056	4 060	4 061	4 169	4 189	4 110	4 054	4 029	3 992	4 098	4 285	4 358
1989 ---	4 456	4 568	4 572	4 710	4 823	4 832	4 804	4 830	4 778	4 748	4 848	4 885
1990 ---	5 121	5 170	5 152	5 188	5 258	5 172	5 190	5 141	5 023	5 020	5 027	5 108
1991 ---	5 379	5 556	5 636	5 731	5 673	5 477	5 389	5 244	5 140	5 179	5 394	5 361
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 247	3 340	3 404	3 384	3 430	3 449	3 415	3 460	3 500	3 475	3 479	3 377
1983 ---	3 302	3 309	3 333	3 298	3 355	3 322	3 320	3 295	3 312	3 334	3 344	3 332
1984 ---	3 307	3 337	3 334	3 404	3 419	3 417	3 562	3 631	3 666	3 732	3 778	3 769
1985 ---	3 874	3 919	3 961	3 921	3 840	3 885	3 824	3 827	3 894	3 869	3 795	3 857
1986 ---	3 770	3 697	3 703	3 789	3 788	3 837	3 873	3 887	3 819	3 781	3 796	3 822
1987 ---	3 907	3 920	3 980	3 950	4 012	3 985	3 983	3 995	3 966	3 951	3 999	4 043
1988 ---	4 020	3 998	3 983	4 029	4 019	4 034	4 056	4 086	4 174	4 273	4 376	4 456
1989 ---	4 409	4 483	4 483	4 559	4 637	4 755	4 804	4 898	4 986	4 949	4 951	4 995
1990 ---	5 063	5 062	5 049	5 027	5 064	5 099	5 187	5 219	5 237	5 230	5 133	5 227
1991 ---	5 318	5 430	5 525	5 556	5 472	5 404	5 383	5 324	5 353	5 395	5 510	5 487
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.9	1.9	-6	1.4	6	-1.0	1.3	1.2	-7	1	-2.9
1983 ---	-2.2	.2	.7	-1.1	1.7	-1.0	-1	-8	.5	7	3	-4
1984 ---	-8	.9	-1	2.1	.4	-1	4.2	1.9	1.0	1.8	1.2	-2
1985 ---	2.8	1.2	1.1	-1.0	-2.1	1.2	-1.6	1.1	1.8	-6	-1.9	1.6
1986 ---	-2.3	-1.9	.2	2.3	-	1.3	.9	.4	-1.7	-7	1	7
1987 ---	2.2	.3	1.5	-8	1.6	-7	-1	3	-7	-4	1.2	1.1
1988 ---	-6	-5	-4	1.2	-2	.4	.5	7	2.2	2.4	2.4	1.8
1989 ---	-1.1	1.7	-	1.7	1.7	2.5	1.0	2.0	1.8	-7	-	9
1990 ---	1.4	-	-3	-4	.7	.7	1.7	6	3	-1	-1.9	1.8
1991 ---	1.7	2.1	1.7	6	-1.5	-1.2	-4	-1.1	5	8	2.1	-4

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 874	26 120	26 070	26 197	25 553	25 084	25 221	24 880	24 270	24 488	24 447	24 278
1983 ---	24 274	24 433	24 231	24 368	24 113	23 732	24 062	24 220	23 726	24 152	24 525	24 532
1984 ---	24 663	25 147	25 516	25 795	25 868	26 323	26 509	26 718	26 614	26 606	26 445	26 238
1985 ---	25 836	26 162	26 276	26 167	26 314	26 330	26 407	26 329	26 045	26 100	26 318	25 952
1986 ---	26 112	26 160	26 058	26 075	25 670	25 610	25 732	25 271	24 756	25 008	25 162	25 558
1987 ---	25 775	25 953	25 685	25 712	25 587	25 238	25 689	25 526	25 369	25 785	26 120	26 388
1988 ---	27 139	27 756	27 777	27 511	27 572	27 712	28 118	28 259	28 177	28 632	29 009	29 372
1989 ---	29 898	30 475	30 973	31 187	31 291	31 244	31 435	31 381	30 970	31 120	31 192	30 831
1990 ---	30 912	31 493	31 509	31 779	31 789	31 616	32 170	31 852	31 821	32 455	32 913	33 194
1991 ---	33 940	34 221	34 287	34 214	33 944	33 504	33 484	33 369	33 045	33 372	33 851	33 867
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	25 553	25 552	25 590	25 664	25 273	25 179	25 255	25 089	24 921	24 992	24 724	24 450
1983 ---	24 040	23 985	23 827	23 918	23 945	23 824	24 069	24 353	24 311	24 547	24 752	24 700
1984 ---	24 484	24 781	25 142	25 389	25 747	26 418	26 472	26 790	27 190	26 969	26 631	26 421
1985 ---	25 681	25 826	25 937	25 825	26 211	26 403	26 339	26 392	26 559	26 404	26 458	26 123
1986 ---	25 962	25 837	25 734	25 791	25 594	25 680	25 657	25 346	25 212	25 295	25 282	25 747
1987 ---	25 644	25 644	25 390	25 455	25 497	25 275	25 593	25 625	25 824	26 075	26 259	26 593
1988 ---	26 994	27 401	27 461	27 237	27 439	27 735	28 000	28 381	28 682	28 968	29 185	29 599
1989 ---	29 728	30 052	30 572	30 869	31 145	31 324	31 353	31 575	31 533	31 489	31 393	31 046
1990 ---	30 742	31 061	31 096	31 440	31 605	31 702	32 095	32 056	32 400	32 837	33 124	33 405
1991 ---	33 758	33 760	33 837	33 835	33 735	33 587	33 407	33 591	33 650	33 747	34 050	34 082
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-	.1	.3	-1.5	-4	.3	-7	-7	.3	-1.1	-1.1
1983 ---	-1.7	-.2	-.7	.4	.1	-.5	1.0	1.2	-2	1.0	.8	-.2
1984 ---	-.9	1.2	1.5	1.0	1.4	2.6	.2	1.2	1.5	-.8	-1.3	-.8
1985 ---	-2.8	.6	.4	-.4	1.5	.7	-.2	-.6	-.6	-.6	.2	-1.3
1986 ---	-.6	-.5	-.4	.2	-.8	.3	-.1	-1.2	-.5	.3	-.1	1.8
1987 ---	-.4	-	-1.0	.3	.2	-.9	1.3	.1	.8	1.0	.7	1.3
1988 ---	1.5	1.5	.2	-.8	.7	1.1	1.0	1.4	1.1	1.0	.7	1.4
1989 ---	.4	1.1	1.7	1.0	.9	.6	.1	.7	-.1	-.1	-.3	-1.1
1990 ---	-1.0	1.0	.1	1.1	.5	.3	1.2	-.1	1.1	1.3	.9	.8
1991 ---	1.1	-	.2	-	-.3	-.4	-.5	.6	.2	.3	.9	.1
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 224	9 109	9 162	9 140	9 029	8 867	9 068	8 901	8 831	8 624	8 427	8 552
1983 ---	8 587	8 527	8 558	8 484	8 389	8 278	8 409	8 515	8 485	8 427	8 612	8 881
1984 ---	8 965	8 980	9 084	9 095	9 332	9 198	9 327	9 348	9 077	9 120	8 920	8 930
1985 ---	9 044	9 004	9 092	9 112	9 076	9 095	9 089	9 009	8 863	8 776	8 766	8 828
1986 ---	8 859	8 808	8 594	8 552	8 709	8 870	9 157	9 017	8 971	8 957	8 747	8 971
1987 ---	9 016	8 897	9 016	8 999	9 009	8 953	9 247	9 101	9 158	9 181	9 168	9 338
1988 ---	9 524	9 804	9 824	9 760	9 662	9 995	10 086	10 126	10 097	10 149	10 181	10 305
1989 ---	10 415	10 641	10 668	10 679	10 689	10 780	10 752	10 757	10 753	10 716	10 778	10 735
1990 ---	10 691	10 927	10 847	10 861	10 938	10 951	11 141	11 167	11 191	11 467	11 406	11 520
1991 ---	11 719	11 698	11 598	11 649	11 582	11 684	11 751	11 775	11 504	11 656	11 558	11 631
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 163	9 029	8 969	8 979	8 915	8 921	9 010	8 909	8 943	8 833	8 626	8 580
1983 ---	8 523	8 455	8 411	8 375	8 330	8 322	8 339	8 492	8 560	8 600	8 809	8 914
1984 ---	8 898	8 918	8 963	9 023	9 301	9 228	9 238	9 294	9 126	9 272	9 106	8 976
1985 ---	8 981	8 946	8 999	9 077	9 060	9 104	8 994	8 950	8 895	8 883	8 926	8 883
1986 ---	8 811	8 746	8 528	8 546	8 714	8 868	9 064	8 967	9 001	9 040	8 877	9 038
1987 ---	8 986	8 825	8 966	9 005	9 020	8 933	9 153	9 064	9 185	9 245	9 286	9 408
1988 ---	9 503	9 708	9 785	9 770	9 678	9 963	9 987	10 089	10 128	10 211	10 297	10 367
1989 ---	10 392	10 526	10 629	10 694	10 722	10 765	10 668	10 727	10 801	10 771	10 885	10 777
1990 ---	10 664	10 811	10 815	10 871	10 975	10 939	11 065	11 134	11 261	11 523	11 506	11 542
1991 ---	11 680	11 581	11 571	11 660	11 624	11 669	11 677	11 743	11 585	11 706	11 648	11 643
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.5	-.7	-.1	-.7	.1	1.0	-1.1	.4	-1.2	-2.3	-.5
1983 ---	-.7	-.8	-.5	-.4	-.5	-.1	.2	1.8	.8	.5	2.4	1.2
1984 ---	-.2	.2	.5	.7	3.1	-.8	.1	.6	-1.8	1.6	-1.8	-1.4
1985 ---	.1	-.4	.6	.9	-.2	.5	-1.2	-.5	-.6	-.1	.5	-.5
1986 ---	-.8	-.7	-2.5	.2	2.0	1.8	2.2	-1.1	.4	.4	-1.8	1.8
1987 ---	-.6	-1.8	1.6	.4	.2	-1.0	2.5	-1.0	1.3	.7	.4	1.3
1988 ---	1.0	2.2	.8	-.2	-.9	2.9	.2	1.0	.4	.8	.8	.7
1989 ---	.2	1.3	1.0	.6	.3	.4	-.9	.6	-.7	-.3	1.1	-1.0
1990 ---	-1.0	1.4	-.1	.5	1.0	-.3	1.2	.6	1.1	2.3	-.1	.3
1991 ---	1.2	-.8	-.1	.8	-.3	-.4	.1	.6	-1.3	1.0	-.5	-

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 273	4 288	4 341	4 432	4 470	4 479	4 523	4 511	4 369	4 340	4 351	4 126
1983 ---	4 080	4 221	4 202	4 284	4 178	4 076	4 118	4 102	4 099	4 171	4 109	4 001
1984 ---	3 972	4 172	4 102	4 263	4 380	4 604	4 580	4 695	4 702	4 461	4 409	4 223
1985 ---	4 390	4 420	4 379	4 414	4 459	4 474	4 461	4 456	4 490	4 494	4 410	4 086
1986 ---	4 118	4 003	3 998	4 046	4 085	4 064	4 077	3 937	4 044	4 028	3 977	3 864
1987 ---	4 087	4 173	4 053	4 064	4 138	4 179	4 114	4 113	4 153	4 084	4 168	3 980
1988 ---	4 211	4 308	4 382	4 324	4 460	4 424	4 424	4 434	4 358	4 429	4 421	4 322
1989 ---	4 475	4 487	4 536	4 668	4 691	4 563	4 720	4 806	4 741	4 767	4 723	4 556
1990 ---	4 652	4 719	4 718	4 886	4 932	4 812	4 925	4 934	4 867	4 924	5 062	4 886
1991 ---	5 080	5 092	4 987	5 246	5 283	5 131	5 187	5 244	5 232	5 424	5 286	5 210
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 279	4 235	4 290	4 359	4 396	4 463	4 502	4 497	4 375	4 369	4 408	4 297
1983 ---	4 093	4 183	4 191	4 224	4 114	4 049	4 084	4 079	4 090	4 183	4 149	4 174
1984 ---	3 992	4 151	4 125	4 218	4 314	4 565	4 526	4 658	4 672	4 459	4 439	4 414
1985 ---	4 416	4 406	4 423	4 386	4 390	4 434	4 400	4 414	4 449	4 485	4 430	4 272
1986 ---	4 142	3 997	4 040	4 033	4 022	4 038	4 020	3 897	4 008	4 016	3 987	4 041
1987 ---	4 113	4 174	4 091	4 048	4 070	4 165	4 053	4 068	4 126	4 076	4 174	4 158
1988 ---	4 234	4 312	4 415	4 293	4 378	4 324	4 359	4 382	4 342	4 426	4 428	4 507
1989 ---	4 492	4 492	4 567	4 617	4 603	4 584	4 659	4 752	4 739	4 768	4 731	4 738
1990 ---	4 684	4 727	4 756	4 814	4 831	4 845	4 867	4 877	4 879	4 924	5 073	5 066
1991 ---	5 089	5 105	5 038	5 157	5 171	5 170	5 128	5 182	5 253	5 421	5 297	5 392
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-1.0	1.3	1.6	.8	1.5	.9	-1	-2.7	-1	.9	-2.5
1983 ---	-4.7	2.2	.2	.8	-2.6	-.9	-.9	.3	.3	2.3	-.8	.6
1984 ---	-4.4	4.0	-6	2.3	2.3	5.8	-.9	2.9	.3	-4.6	-.4	-.6
1985 ---	-	-2	4	-.8	.1	1.0	-.8	.3	.8	8	-1.2	-3.6
1986 ---	-3.0	-3.5	1.1	-.2	-.3	.4	-.4	-3.1	2.8	.2	-.7	1.4
1987 ---	1.8	1.5	-2.0	-1.1	.5	2.3	-2.7	.4	1.4	-1.2	2.4	-.4
1988 ---	1.8	1.8	2.4	-2.8	2.0	-1.2	.8	.5	-.9	1.9	-.7	1.8
1989 ---	-.3	-	1.7	1.1	-.3	-.4	1.6	2.0	-.3	.6	-.8	.1
1990 ---	-1.6	1.4	6	1.2	.4	-.3	.5	.2	-.9	.9	3.0	-.1
1991 ---	.5	.3	-1.3	2.4	.3	-	-.8	1.1	1.4	3.2	-2.3	1.8
<b>CHEMICALS AND ALLIED PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 377	12 723	12 567	12 625	12 054	11 738	11 630	11 468	11 070	11 524	11 669	11 600
1983 ---	11 607	11 685	11 471	11 600	11 546	11 378	11 535	11 603	11 142	11 554	11 804	11 650
1984 ---	11 726	11 995	12 330	12 437	12 561	12 521	12 602	12 675	12 835	13 025	13 116	13 085
1985 ---	12 402	12 738	12 805	12 641	12 779	12 761	12 857	12 864	12 692	12 830	13 142	13 038
1986 ---	13 135	13 349	13 466	13 477	12 876	12 676	12 498	12 317	11 741	12 023	12 438	12 723
1987 ---	12 672	12 883	12 616	12 649	12 440	12 106	12 328	12 312	12 058	12 520	12 784	13 070
1988 ---	13 404	13 644	13 571	13 427	13 450	13 393	13 608	13 699	13 722	14 054	14 407	14 745
1989 ---	15 008	15 347	15 769	15 840	15 911	15 901	15 963	15 818	15 476	15 637	15 691	15 540
1990 ---	15 569	15 847	15 944	16 032	15 919	15 853	16 104	15 751	15 763	16 064	16 445	16 788
1991 ---	17 141	17 431	17 702	17 319	17 079	16 689	16 546	16 350	16 309	16 292	17 007	17 026
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	12 111	12 288	12 331	12 326	11 962	11 795	11 743	11 683	11 603	11 790	11 690	11 573
1983 ---	11 424	11 347	11 225	11 319	11 501	11 453	11 646	11 782	11 661	11 764	11 794	11 612
1984 ---	11 594	11 712	12 054	12 148	12 132	12 625	12 708	12 838	13 392	13 238	13 086	13 031
1985 ---	12 284	12 474	12 515	12 362	12 761	12 865	12 945	13 028	13 214	13 036	13 102	12 968
1986 ---	13 009	13 094	13 166	13 212	12 858	12 774	12 573	12 482	12 203	12 229	12 418	12 668
1987 ---	12 545	12 645	12 333	12 402	12 407	12 177	12 387	12 493	12 513	12 754	12 799	13 027
1988 ---	13 257	13 381	13 261	13 174	13 383	13 448	13 654	13 910	14 212	14 331	14 460	14 725
1989 ---	14 844	15 034	15 376	15 558	15 820	15 975	16 026	16 096	15 993	15 950	15 777	15 531
1990 ---	15 414	15 523	15 525	15 755	15 799	15 918	16 163	16 045	16 260	16 390	16 545	16 797
1991 ---	16 989	17 074	17 228	17 018	16 940	16 748	16 602	16 666	16 812	16 620	17 105	17 047
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.5	.3	-	-3.0	-1.4	-.4	-.5	-.7	1.6	-.8	-1.0
1983 ---	-1.3	-.7	-1.1	.8	1.6	-.4	1.7	1.2	-1.0	.9	.3	-1.5
1984 ---	-.2	1.0	2.9	.8	-.1	4.1	.7	1.0	4.3	-1.1	-1.1	-.4
1985 ---	-5.7	1.5	.3	-1.2	3.2	.8	.6	.6	1.4	-1.3	.5	-1.0
1986 ---	.3	.7	.5	.3	-2.7	-.7	-1.6	-.7	-2.2	.2	1.5	2.0
1987 ---	-1.0	.8	-2.5	.6	-	-1.9	.9	.2	.2	1.9	.4	1.8
1988 ---	1.8	.9	-.9	-.7	1.6	.5	1.5	1.9	2.2	.8	.9	1.8
1989 ---	.8	1.3	2.3	1.2	1.7	1.0	.3	.4	-.6	-.3	-1.1	-1.6
1990 ---	-.8	.7	-.9	1.5	.3	.8	1.5	-.7	1.3	.8	.9	1.5
1991 ---	1.1	.5	.9	-1.2	-.5	-1.1	-.9	.4	.9	-1.1	2.9	-.3

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	17 864	17 539	17 604	16 814	16 052	16 002	16 508	16 872	16 909	16 878	17 907	16 732
1983 ---	17 224	17 108	15 758	15 355	15 312	15 369	15 549	15 347	15 886	15 831	15 592	14 599
1984 ---	14 698	15 133	14 673	15 441	15 613	15 255	15 369	15 345	15 355	15 459	15 284	14 036
1985 ---	13 919	13 620	13 445	13 724	14 037	13 672	13 546	12 957	12 556	12 985	13 721	13 746
1986 ---	12 778	12 118	10 816	10 585	10 480	10 137	9 686	9 468	9 050	9 114	9 141	8 644
1987 ---	8 879	9 054	9 003	9 051	9 217	9 307	9 507	10 017	9 878	10 047	10 339	9 797
1988 ---	9 626	9 580	9 668	9 855	10 185	10 008	9 906	9 613	9 480	9 435	9 302	9 021
1989 ---	9 570	9 720	9 862	10 482	10 744	11 001	10 824	10 690	10 495	10 694	10 777	10 374
1990 ---	11 453	11 446	11 457	11 258	11 318	10 994	11 180	11 847	13 526	13 849	13 717	13 133
1991 ---	12 509	12 099	11 734	11 847	12 171	12 070	11 821	11 846	12 127	11 915	11 979	11 202
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	17 849	17 429	18 147	17 080	16 068	16 176	16 513	16 923	16 783	16 593	17 121	17 009
1983 ---	17 221	17 040	16 227	15 600	15 303	15 508	15 544	15 393	15 791	15 574	14 925	14 842
1984 ---	14 719	15 102	15 084	15 689	15 579	15 361	15 350	15 392	15 267	15 200	14 651	14 258
1985 ---	13 954	13 637	13 804	13 932	13 994	13 743	13 522	12 983	12 498	12 761	13 202	13 962
1986 ---	12 827	12 175	11 091	10 718	10 432	10 164	9 662	9 483	9 010	8 943	8 833	8 774
1987 ---	8 937	9 120	9 219	9 152	9 160	9 319	9 494	10 025	9 826	9 847	10 031	9 940
1988 ---	9 711	9 651	9 880	9 953	10 105	10 003	9 910	9 635	9 437	9 255	9 075	8 134
1989 ---	9 673	9 792	10 054	10 561	10 641	10 986	10 855	10 738	10 435	10 472	10 519	10 482
1990 ---	11 595	11 532	11 659	11 323	11 214	10 982	11 236	11 923	13 419	13 541	13 378	13 236
1991 ---	12 690	12 189	11 932	11 904	12 048	12 056	11 887	11 943	12 039	11 660	11 722	11 286
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.4	4.1	-5.9	-5.9	.7	2.1	2.5	-.8	-1.1	3.2	-7
1983 ---	1.2	-1.1	-4.8	-3.9	-1.9	1.3	2	-1.0	2.6	-1.4	-4.2	-6
1984 ---	-8	2.6	-.1	4.0	-.7	-1.4	-.1	-.3	-.8	-.4	-3.6	-2.7
1985 ---	-2.1	-2.3	1.2	.9	-.4	-1.8	-1.6	-4.0	-3.7	2.1	3.5	5.8
1986 ---	-8.1	-5.1	-8.9	-3.4	-2.7	-2.6	-4.9	-1.9	-5.0	-.7	-1.2	-7
1987 ---	1.9	2.0	1.1	-.7	-.1	1.7	1.9	5.6	-2.0	.2	1.9	-.9
1988 ---	-2.3	-.6	2.4	.7	1.5	-1.0	-.9	-2.8	-2.1	-1.9	-1.9	.7
1989 ---	5.9	1.2	2.7	5.0	.8	3.2	-1.2	-1.1	-.8	.4	.4	-.4
1990 ---	10.6	-.5	1.1	-2.9	-1.0	-2.1	2.3	6.1	12.5	.9	-1.2	-1.1
1991 ---	-4.1	-3.9	-2.1	-.2	1.2	-.1	-1.4	.5	.8	-3.1	.5	-3.7
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 989	5 004	5 149	5 420	5 449	5 148	5 073	5 394	5 268	5 262	5 724	5 365
1983 ---	5 651	5 678	5 261	5 301	5 475	5 410	4 945	4 781	4 594	4 561	4 435	4 500
1984 ---	4 759	4 566	4 513	4 570	4 612	4 617	4 759	4 451	4 598	4 480	4 543	4 197
1985 ---	4 206	4 032	3 968	4 110	4 210	3 946	3 771	3 662	3 361	3 455	3 752	3 823
1986 ---	3 707	3 612	3 206	3 182	2 873	2 707	2 576	2 527	2 373	2 414	2 309	2 304
1987 ---	2 239	2 316	2 257	2 300	2 346	2 391	2 365	2 476	2 525	2 568	2 618	2 577
1988 ---	2 489	2 530	2 718	2 676	2 766	2 779	2 669	2 663	2 627	2 649	2 591	2 586
1989 ---	2 642	2 696	2 716	2 884	2 827	2 954	2 745	2 911	2 699	2 701	2 862	3 009
1990 ---	3 004	2 949	3 246	3 204	3 077	3 069	3 107	3 206	3 391	3 516	3 396	3 615
1991 ---	3 330	3 237	3 208	3 188	3 207	3 233	3 258	3 219	3 196	3 237	3 237	3 131
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	4 875	4 976	5 195	5 351	5 279	5 146	5 187	5 444	5 387	5 414	5 575	5 419
1983 ---	5 526	5 641	5 319	5 246	5 319	5 403	5 049	4 830	4 710	4 692	4 335	4 534
1984 ---	4 663	4 521	4 562	4 513	4 477	4 592	4 857	4 498	4 714	4 589	4 458	4 210
1985 ---	4 148	3 985	4 008	4 050	4 103	3 916	3 847	3 700	3 445	3 522	3 700	3 818
1986 ---	3 694	3 565	3 238	3 131	2 810	2 680	2 620	2 553	2 430	2 446	2 289	2 289
1987 ---	2 252	2 289	2 273	2 258	2 308	2 367	2 401	2 499	2 576	2 586	2 603	2 552
1988 ---	2 517	2 511	2 732	2 630	2 734	2 751	2 708	2 687	2 673	2 660	2 581	2 547
1989 ---	2 678	2 692	2 721	2 835	2 804	2 924	2 790	2 941	2 738	2 706	2 844	2 846
1990 ---	3 059	2 959	3 246	3 152	3 060	3 038	3 158	3 243	3 432	3 519	3 361	3 512
1991 ---	3 409	3 256	3 204	3 139	3 192	3 199	3 306	3 259	3 238	3 243	3 209	3 035
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.1	4.4	3.0	-1.3	-2.5	.8	5.0	-1.0	.5	3.0	-2.8
1983 ---	2.0	2.1	-5.7	-1.4	1.4	1.6	-6.6	-4.3	-2.5	-.4	-7.6	4.6
1984 ---	2.8	-3.0	.9	-1.1	-.8	2.6	5.8	-7.4	4.8	-2.7	-2.9	-5.6
1985 ---	-1.5	-3.9	.6	1.0	1.3	-4.6	-1.8	-3.8	-6.9	2.2	5.1	3.2
1986 ---	-3.2	-3.5	-9.2	-3.3	-10.3	-4.6	-2.2	-2.6	-4.8	.7	-6.4	-.7
1987 ---	-1.6	1.6	-.7	-.7	2.2	2.6	1.4	4.1	3.1	.4	.7	-2.0
1988 ---	-1.4	-.2	8.8	-3.7	4.0	.6	-1.6	-.8	-.5	-.5	-3.0	-1.3
1989 ---	5.1	.5	1.1	4.2	-1.1	4.3	-4.6	5.4	-6.9	-1.2	5.1	3.6
1990 ---	3.8	-3.3	9.7	-2.9	-2.9	-.7	3.9	2.7	5.8	2.5	-4.5	4.5
1991 ---	-2.9	-4.5	-1.6	-2.0	1.7	2	3.3	-1.4	-.6	.2	-1.0	-5.4

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 803	3 832	3 958	3 954	3 842	3 899	4 154	4 098	4 037	3 809	3 941	3 706
1983 ---	3 786	3 754	3 779	3 836	3 833	3 759	3 777	3 847	3 883	3 913	3 765	3 354
1984 ---	3 460	3 468	3 478	3 857	3 995	3 502	3 343	3 466	3 230	3 404	3 219	2 988
1985 ---	3 028	2 919	2 792	2 954	3 037	3 059	3 128	2 950	2 963	3 223	3 530	3 490
1986 ---	2 781	2 938	2 536	2 418	2 447	2 446	2 166	2 186	2 064	2 111	2 105	2 049
1987 ---	2 015	2 204	2 174	2 169	2 254	2 241	2 281	2 338	2 262	2 408	2 456	2 250
1988 ---	2 177	2 098	2 118	2 128	2 185	2 126	2 179	2 117	2 055	2 085	2 104	2 040
1989 ---	2 175	2 178	2 312	2 527	2 562	2 631	2 588	2 522	2 423	2 571	2 585	2 556
1990 ---	2 756	2 701	2 707	2 525	2 757	2 596	2 667	3 061	3 530	3 433	3 287	3 065
1991 ---	2 912	2 747	2 718	2 950	2 986	3 073	2 944	2 932	3 160	3 056	2 941	2 718
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 897	3 913	4 075	3 912	3 815	3 900	4 114	4 065	4 027	3 668	3 811	3 838
1983 ---	3 886	3 833	3 892	3 818	3 802	3 760	3 740	3 815	3 885	3 779	3 636	3 466
1984 ---	3 552	3 544	3 573	3 849	3 945	3 496	3 307	3 439	3 239	3 290	3 096	3 079
1985 ---	3 099	2 991	2 864	2 961	2 996	3 053	3 095	2 928	2 979	3 125	3 391	3 582
1986 ---	2 833	3 017	2 608	2 433	2 412	2 438	2 145	2 169	2 077	2 050	2 019	2 098
1987 ---	2 047	2 265	2 238	2 186	2 220	2 232	2 261	2 317	2 275	2 339	2 363	2 299
1988 ---	2 210	2 157	2 184	2 145	2 151	2 112	2 161	2 098	2 065	2 023	2 036	2 086
1989 ---	2 211	2 241	2 378	2 537	2 524	2 614	2 572	2 502	2 432	2 486	2 514	2 615
1990 ---	2 802	2 782	2 778	2 521	2 723	2 581	2 654	3 042	3 528	3 307	3 204	3 137
1991 ---	2 960	2 834	2 785	2 939	2 952	3 055	2 931	2 918	3 154	2 943	2 881	2 786
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.4	4.1	-4.0	-2.5	2.2	5.5	-1.2	-9	-8.9	3.9	.7
1983 ---	1.3	-1.4	1.5	-1.9	-4	-1.1	-5	2.0	1.8	-2.7	-3.8	-4.7
1984 ---	2.5	-2	.8	7.7	2.5	-11.4	-5.4	4.0	-5.8	1.6	-5.9	-5
1985 ---	.6	-3.5	-4.2	3.4	1.2	1.9	1.4	-5.4	1.7	4.9	8.5	5.6
1986 ---	-20.9	6.5	-13.6	-6.7	-9	1.1	-12.0	1.1	-4.2	-1.3	-1.5	3.9
1987 ---	-2.4	10.6	-1.2	-2.3	1.6	.5	1.3	2.5	-1.8	2.8	1.0	-2.7
1988 ---	-3.9	-2.4	1.3	-1.8	.3	-1.8	2.3	-2.9	-1.6	-2.0	.6	2.5
1989 ---	6.0	1.4	6.1	6.7	-5	3.6	-1.6	-2.7	-2.8	2.2	1.1	4.0
1990 ---	7.2	-7	-1	-9.3	8.0	-5.2	2.8	14.6	16.0	-6.3	-3.1	-2.1
1991 ---	-5.6	-4.3	-1.7	5.5	.4	3.5	-4.1	-4	8.1	-6.7	-2.1	-3.3
<b>PETROLEUM AND COAL PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 072	8 703	8 497	7 440	6 761	6 955	7 281	7 380	7 604	7 807	8 242	7 661
1983 ---	7 787	7 676	6 718	6 218	6 004	6 200	6 827	6 719	7 409	7 357	7 392	6 745
1984 ---	6 479	7 099	6 682	7 014	7 006	7 136	7 267	7 428	7 527	7 575	7 522	6 851
1985 ---	6 685	6 669	6 685	6 660	6 790	6 667	6 647	6 345	6 232	6 307	6 439	6 433
1986 ---	6 290	5 568	5 074	4 985	5 160	4 984	4 944	4 755	4 613	4 589	4 727	4 291
1987 ---	4 625	4 534	4 572	4 582	4 617	4 675	4 861	5 203	5 091	5 071	5 265	4 970
1988 ---	4 960	4 952	4 832	5 051	5 234	5 103	5 058	4 833	4 798	4 701	4 607	4 395
1989 ---	4 753	4 846	4 834	5 071	5 355	5 416	5 491	5 257	5 373	5 422	5 330	4 809
1990 ---	5 693	5 796	5 504	5 529	5 484	5 329	5 406	5 580	6 605	6 900	7 034	6 453
1991 ---	6 267	6 115	5 808	5 709	5 978	5 764	5 619	5 695	5 771	5 622	5 801	5 353
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	9 077	8 540	8 877	7 817	6 974	7 130	7 212	7 414	7 369	7 511	7 735	7 752
1983 ---	7 809	7 566	7 016	6 536	6 182	6 345	6 755	6 748	7 196	7 103	6 954	6 842
1984 ---	6 504	7 037	6 949	7 327	7 157	7 273	7 186	7 455	7 314	7 321	7 097	6 969
1985 ---	6 707	6 661	6 932	6 921	6 895	6 774	6 580	6 355	6 074	6 114	6 111	6 562
1986 ---	6 300	5 593	5 245	5 154	5 210	5 046	4 897	4 761	4 503	4 447	4 525	4 387
1987 ---	4 638	4 566	4 708	4 708	4 632	4 720	4 832	5 209	4 975	4 922	5 065	5 089
1988 ---	4 984	4 983	4 964	5 178	5 220	5 140	5 041	4 850	4 699	4 572	4 458	4 501
1989 ---	4 784	4 859	4 955	5 189	5 313	5 448	5 493	5 295	5 265	5 280	5 161	4 921
1990 ---	5 734	5 791	5 635	5 650	5 431	5 363	5 424	5 638	6 459	6 715	6 813	6 587
1991 ---	6 321	6 099	5 943	5 826	5 904	5 802	5 650	5 766	5 647	5 474	5 632	5 465
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-5.9	3.9	-11.9	-10.8	2.2	1.2	2.8	-6	1.9	3.0	.2
1983 ---	.7	-3.1	-7.3	-6.8	-5.4	2.6	6.5	-1	6.6	-1.3	-2.1	-1.6
1984 ---	-4.9	8.2	-1.3	5.4	-2.3	1.6	-1.2	3.7	-1.9	.1	-3.1	-1.8
1985 ---	-3.8	-7	4.1	-2	-4	-1.8	-2.9	-3.4	-4.4	.7	-	7.4
1986 ---	-4.0	-11.2	-6.2	-1.7	1.1	-3.1	-3.0	-2.8	-5.4	-1.2	1.8	-3.0
1987 ---	5.7	-1.6	3.1	-	-1.6	1.9	2.4	7.8	-4.5	-1.1	2.9	.5
1988 ---	-2.1	-	-4	4.3	.8	-1.5	-1.9	-3.8	-3.1	-2.7	-2.5	1.0
1989 ---	6.3	1.6	2.0	4.7	2.4	2.5	.8	-3.6	-6	3	-2.3	-4.7
1990 ---	16.5	1.0	-2.7	.3	-3.9	-1.3	1.1	3.9	14.6	4.0	1.5	-3.3
1991 ---	-4.0	-3.5	-2.6	-2.0	1.3	-1.7	-2.6	2.1	-2.1	-3.1	2.9	-3.0

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 168	8 271	8 386	8 517	8 363	8 171	7 878	7 681	7 538	7 634	7 467	7 596
1983 ---	7 640	7 667	7 808	8 008	7 951	7 936	7 849	7 700	7 708	7 814	7 828	7 918
1984 ---	8 076	8 345	8 676	8 706	8 916	9 086	9 039	8 986	8 801	8 803	8 684	8 741
1985 ---	8 679	8 930	9 168	9 286	9 170	9 148	9 038	8 969	8 945	8 737	8 753	9 072
1986 ---	9 220	9 486	9 645	9 634	9 548	9 356	9 228	9 037	8 969	8 827	8 951	9 178
1987 ---	9 271	9 422	9 564	9 656	9 746	9 621	9 686	9 889	9 727	9 646	9 760	9 982
1988 ---	10 067	10 184	10 469	10 628	10 685	10 642	10 710	10 704	10 831	10 874	10 964	11 145
1989 ---	11 452	11 614	11 885	11 782	11 771	11 582	11 615	11 490	11 426	11 319	11 305	11 354
1990 ---	11 482	11 432	11 419	11 306	11 465	11 219	11 308	11 205	11 205	11 619	11 631	11 774
1991 ---	11 992	11 963	11 867	11 911	11 708	11 359	11 246	11 106	10 990	10 967	11 063	11 098
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	8 169	8 187	8 086	8 099	8 072	8 003	7 860	7 848	7 780	7 926	7 813	7 748
1983 ---	7 664	7 596	7 542	7 646	7 695	7 769	7 824	7 836	7 934	8 076	8 143	8 072
1984 ---	8 120	8 280	8 414	8 359	8 680	8 907	9 005	9 113	9 034	9 095	8 992	8 905
1985 ---	8 728	8 850	8 900	8 952	8 917	8 992	9 008	9 075	9 159	9 017	9 035	9 217
1986 ---	9 259	9 401	9 395	9 335	9 316	9 246	9 205	9 126	9 150	9 092	9 198	9 283
1987 ---	9 285	9 325	9 339	9 396	9 535	9 566	9 684	9 990	9 896	9 913	9 994	10 056
1988 ---	10 049	10 063	10 244	10 372	10 480	10 642	10 737	10 829	11 000	11 142	11 175	11 193
1989 ---	11 397	11 464	11 654	11 523	11 574	11 628	11 670	11 596	11 596	11 562	11 479	11 383
1990 ---	11 398	11 279	11 210	11 070	11 300	11 292	11 378	11 358	11 585	11 842	11 778	11 800
1991 ---	11 886	11 798	11 656	11 671	11 551	11 445	11 321	11 263	11 150	11 164	11 182	11 120
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.2	-1.2	.2	-.3	-.9	-1.8	-.2	-.9	1.9	-1.4	-.8
1983 ---	-1.1	-.9	-.7	1.4	.6	1.0	.7	.2	1.3	1.8	.8	-.9
1984 ---	.6	2.0	1.6	-.7	3.6	2.9	1.1	1.2	-.9	.7	-1.1	-1.0
1985 ---	-2.0	1.4	.6	-.4	-.4	.8	.2	.7	.9	-1.6	.2	2.0
1986 ---	.5	1.5	-.1	-.6	-.2	-.8	-.4	-.9	.3	-.6	1.2	.9
1987 ---	-.	.4	.2	.6	1.5	.3	1.2	3.2	-.9	.2	.8	.6
1988 ---	-.1	.1	1.8	1.2	1.0	1.5	.9	-.9	1.6	1.3	.3	.2
1989 ---	1.8	.6	1.7	-1.1	.4	.5	.4	-.3	-.4	-.3	-.7	-.8
1990 ---	1	-1.0	-.6	-1.2	2.1	-.1	.8	-.2	2.0	2.2	-.5	.2
1991 ---	.7	-.7	-1.2	.1	-1.0	-.9	-1.1	-.5	-1.0	.1	.2	-.6
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 100	2 958	2 903	2 911	2 857	2 823	2 919	2 700	2 700	2 839	2 742	2 878
1983 ---	2 742	2 676	2 730	2 821	2 835	2 923	2 913	2 795	2 830	2 954	2 947	3 146
1984 ---	3 087	3 201	3 314	3 374	3 449	3 375	3 475	3 386	3 392	3 201	3 281	3 400
1985 ---	3 178	3 163	3 233	3 288	3 257	3 390	3 250	3 184	3 167	3 089	3 128	3 480
1986 ---	3 382	3 398	3 497	3 442	3 410	3 409	3 327	3 311	3 342	3 305	3 293	3 515
1987 ---	3 469	3 438	3 450	3 518	3 632	3 678	3 728	3 764	3 735	3 783	3 810	4 000
1988 ---	3 950	3 882	4 036	4 144	4 191	4 247	4 337	4 304	4 420	4 472	4 453	4 642
1989 ---	4 686	4 657	4 623	4 554	4 561	4 512	4 577	4 509	4 517	4 473	4 458	4 544
1990 ---	4 431	4 398	4 415	4 364	4 394	4 266	4 400	4 409	4 583	4 659	4 685	4 698
1991 ---	4 723	4 592	4 548	4 506	4 414	4 298	4 326	4 256	4 302	4 330	4 308	4 446
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 077	3 004	2 860	2 820	2 812	2 765	2 877	2 775	2 767	2 895	2 842	2 806
1983 ---	2 734	2 714	2 709	2 750	2 795	2 864	2 874	2 864	2 894	3 003	3 043	3 059
1984 ---	3 092	3 239	3 286	3 301	3 403	3 308	3 437	3 454	3 466	3 258	3 375	3 300
1985 ---	3 182	3 194	3 210	3 238	3 218	3 336	3 223	3 326	3 226	3 142	3 211	3 371
1986 ---	3 376	3 424	3 480	3 407	3 380	3 377	3 310	3 350	3 391	3 359	3 367	3 401
1987 ---	3 449	3 452	3 437	3 499	3 613	3 672	3 724	3 804	3 770	3 834	3 876	3 874
1988 ---	3 913	3 884	4 023	4 128	4 181	4 273	4 345	4 353	4 449	4 512	4 498	4 500
1989 ---	4 633	4 650	4 615	4 549	4 571	4 575	4 598	4 568	4 527	4 489	4 472	4 403
1990 ---	4 374	4 390	4 413	4 363	4 421	4 349	4 427	4 470	4 585	4 661	4 676	4 552
1991 ---	4 662	4 582	4 547	4 510	4 451	4 393	4 358	4 319	4 296	4 324	4 285	4 308
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-2.4	-4.1	-2.1	-.3	-1.7	4.1	-3.5	-.3	4.6	-1.8	-1.3
1983 ---	-2.6	-.7	-.2	1.5	1.6	2.5	.3	-.3	1.0	3.8	1.3	.5
1984 ---	1.1	4.8	1.5	.5	3.1	-2.8	3.9	.5	.3	-6.0	3.6	-2.2
1985 ---	-3.6	.4	.5	.9	-.6	3.7	-3.4	.4	-.3	-2.6	2.2	5.0
1986 ---	1	1.4	1.6	-2.1	-.8	-.1	-2.0	1.2	1.2	-.9	.2	1.0
1987 ---	1.4	.1	-.4	1.8	3.3	1.6	1.4	2.1	-.9	1.7	1.1	-.1
1988 ---	1.0	-.7	3.6	2.6	1.3	2.2	1.7	.2	2.2	1.4	-.3	-.
1989 ---	3.0	.4	-.8	-1.4	.5	.1	.5	-.7	-.9	-.8	-.4	-1.5
1990 ---	-.7	.4	.5	-1.1	1.3	-1.6	1.8	1.0	2.6	1.7	.3	-2.7
1991 ---	2.4	-1.7	-.8	-.8	-1.3	-1.3	-.8	-.9	-.5	.7	-.9	.5

See footnotes at end of table



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 282	1 285	1 314	1 358	1 364	1 335	1 336	1 401	1 342	1 300	1 249	1 203
1983 ---	1 236	1 202	1 113	1 235	1 153	1 201	1 267	1 296	1 313	1 330	1 381	1 282
1984 ---	1 374	1 346	1 401	1 386	1 381	1 552	1 513	1 506	1 464	1 547	1 438	1 408
1985 ---	1 439	1 432	1 414	1 390	1 394	1 381	1 454	1 440	1 515	1 441	1 430	1 402
1986 ---	1 491	1 491	1 450	1 413	1 402	1 340	1 395	1 394	1 452	1 385	1 461	1 473
1987 ---	1 437	1 454	1 432	1 383	1 360	1 391	1 395	1 524	1 515	1 465	1 488	1 579
1988 ---	1 586	1 595	1 808	1 603	1 650	1 628	1 641	1 690	1 674	1 813	1 848	1 857
1989 ---	1 685	1 651	1 747	1 719	1 716	1 670	1 699	1 721	1 719	1 726	1 719	1 648
1990 ---	1 720	1 660	1 616	1 589	1 640	1 568	1 627	1 620	1 653	1 731	1 694	1 850
1991 ---	1 676	1 623	1 587	1 666	1 571	1 516	1 535	1 586	1 587	1 639	1 598	1 508
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	1 253	1 285	1 313	1 353	1 374	1 354	1 329	1 390	1 327	1 305	1 253	1 234
1983 ---	1 208	1 201	1 114	1 237	1 166	1 218	1 258	1 282	1 290	1 335	1 381	1 317
1984 ---	1 346	1 341	1 400	1 395	1 400	1 576	1 500	1 491	1 433	1 555	1 434	1 442
1985 ---	1 409	1 423	1 412	1 409	1 416	1 407	1 446	1 428	1 478	1 446	1 426	1 425
1986 ---	1 459	1 480	1 450	1 437	1 425	1 372	1 392	1 383	1 415	1 387	1 454	1 487
1987 ---	1 405	1 444	1 432	1 407	1 378	1 431	1 400	1 513	1 479	1 466	1 480	1 587
1988 ---	1 553	1 581	1 608	1 624	1 665	1 680	1 653	1 678	1 644	1 612	1 635	1 666
1989 ---	1 659	1 635	1 748	1 739	1 726	1 727	1 717	1 707	1 698	1 722	1 701	1 656
1990 ---	1 682	1 643	1 618	1 604	1 647	1 623	1 646	1 607	1 639	1 723	1 672	1 685
1991 ---	1 638	1 606	1 590	1 681	1 576	1 570	1 553	1 575	1 577	1 627	1 572	1 525
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.6	2.2	3.0	1.6	-1.5	-1.8	4.6	-4.5	-1.7	-4.0	-1.5
1983 ---	-2.1	-6	-7.2	11.0	-5.7	4.5	3.3	1.9	.6	3.5	3.4	-4.6
1984 ---	2.2	-4	4.4	-4	.4	12.6	-4.8	-6	-3.9	8.5	-7.8	.6
1985 ---	-2.3	1.0	-8	-2	.5	-6	2.8	-1.2	3.5	-2.2	-1.4	-.1
1986 ---	2.4	1.4	-2.0	-9	-8	-3.7	1.5	-6	2.3	-2.0	4.8	2.3
1987 ---	-5.5	2.8	-8	-1.7	-2.1	3.8	-2.2	8.1	-2.2	-9	1.0	7.2
1988 ---	-2.1	1.8	1.7	1.0	2.5	.9	-1.6	1.5	-2.0	-1.9	1.4	1.9
1989 ---	-4	-1.4	6.9	-5	-7	.1	-6	-6	-5	1.4	-1.2	-2.6
1990 ---	1.6	-2.3	-1.5	-9	2.7	-1.5	1.4	-2.4	2.0	5.1	-3.0	-.4
1991 ---	-1.6	-2.0	-1.0	5.7	-6.2	-4	-1.1	1.4	.1	3.2	-3.4	-3.0
<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 786	4 028	4 169	4 248	4 142	4 013	3 623	3 580	3 496	3 495	3 476	3 515
1983 ---	3 662	3 789	3 965	3 952	3 963	3 812	3 669	3 609	3 565	3 530	3 500	3 490
1984 ---	3 615	3 798	3 961	3 946	4 086	4 159	4 051	4 094	3 945	4 055	3 965	3 933
1985 ---	4 062	4 335	4 521	4 608	4 519	4 377	4 334	4 345	4 263	4 207	4 195	4 190
1986 ---	4 347	4 597	4 698	4 779	4 736	4 607	4 506	4 332	4 175	4 137	4 197	4 190
1987 ---	4 365	4 530	4 682	4 755	4 754	4 552	4 562	4 601	4 477	4 398	4 462	4 403
1988 ---	4 531	4 707	4 825	4 881	4 844	4 767	4 732	4 710	4 737	4 789	4 863	4 846
1989 ---	5 071	5 306	5 515	5 509	5 494	5 400	5 339	5 260	5 190	5 120	5 128	5 162
1990 ---	5 331	5 374	5 388	5 353	5 431	5 385	5 281	5 176	5 182	5 229	5 252	5 426
1991 ---	5 593	5 748	5 732	5 739	5 723	5 545	5 385	5 264	5 101	4 998	5 157	5 144
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 839	3 898	3 893	3 926	3 886	3 884	3 654	3 683	3 686	3 726	3 718	3 708
1983 ---	3 722	3 681	3 719	3 659	3 734	3 687	3 692	3 690	3 750	3 738	3 719	3 696
1984 ---	3 682	3 700	3 728	3 663	3 857	4 023	4 068	4 168	4 135	4 282	4 183	4 163
1985 ---	4 137	4 233	4 278	4 305	4 263	4 249	4 339	4 412	4 455	4 429	4 398	4 421
1986 ---	4 424	4 497	4 465	4 491	4 511	4 497	4 503	4 393	4 344	4 346	4 377	4 395
1987 ---	4 431	4 429	4 470	4 490	4 544	4 463	4 560	4 673	4 647	4 613	4 638	4 595
1988 ---	4 583	4 598	4 613	4 620	4 634	4 689	4 739	4 798	4 907	5 018	5 042	5 027
1989 ---	5 105	5 179	5 291	5 235	5 277	5 326	5 355	5 365	5 371	5 351	5 306	5 324
1990 ---	5 342	5 246	5 179	5 103	5 232	5 320	5 305	5 281	5 361	5 458	5 430	5 583
1991 ---	5 586	5 610	5 519	5 480	5 524	5 482	5 410	5 369	5 277	5 213	5 325	5 287
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	1.5	-1	.8	-1.0	-.1	-5.9	.8	.1	1.1	-.2	-.3
1983 ---	.4	-1.1	1.0	-1.6	2.0	-1.3	.1	-.1	1.6	-.3	-.5	-.6
1984 ---	-.4	.5	.8	-1.7	5.3	4.3	1.1	2.5	-.8	3.6	-2.3	-.5
1985 ---	-.6	2.3	1.1	.6	-.5	-.8	2.1	1.7	1.0	-.6	-.7	.5
1986 ---	.1	1.7	-.7	.6	.4	-.3	.1	-2.4	-1.1	-.1	.7	.4
1987 ---	.8	-.1	.9	.4	1.2	-1.8	2.2	2.5	-.6	-.7	.5	-.9
1988 ---	-.3	.3	.3	.2	.3	1.2	1.1	1.2	2.3	2.3	.5	-.3
1989 ---	1.6	1.4	2.2	-1.1	.8	.9	.5	.2	.1	-.4	-.8	-.3
1990 ---	.3	-1.8	-1.3	-1.5	2.5	1.7	-.3	-.5	1.5	1.8	-.5	2.8
1991 ---	.1	.4	-1.6	-.7	.8	-.8	-1.3	-.8	-1.7	-1.2	2.1	-.7

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>OTHER NONDURABLE GOODS INDUSTRIES, TOTAL—TOTAL INVENTORIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	16 805	17 044	17 002	17 375	17 704	17 930	17 705	17 270	16 637	16 228	15 642	15 743
1983 ---	15 992	16 090	16 151	16 490	16 837	17 440	17 517	17 396	17 060	16 905	16 648	16 999
1984 ---	17 642	17 982	18 440	18 939	19 678	20 315	20 358	20 151	19 823	19 372	18 890	18 844
1985 ---	18 869	19 426	19 380	19 898	20 097	20 427	20 261	20 057	19 612	19 060	18 565	18 856
1986 ---	19 217	19 536	19 718	20 264	20 468	20 659	20 672	20 549	20 033	19 759	19 398	19 188
1987 ---	19 878	20 064	20 256	20 618	21 090	21 243	21 261	21 032	20 785	20 389	20 185	20 487
1988 ---	20 822	21 259	21 824	22 702	23 449	23 681	23 731	23 869	23 489	22 717	22 319	22 127
1989 ---	22 412	22 443	22 621	22 991	23 603	23 760	23 896	23 621	23 371	22 814	22 665	22 238
1990 ---	22 802	23 070	23 392	23 574	24 127	24 411	24 814	24 602	24 010	23 311	22 810	22 571
1991 ---	22 937	23 235	23 435	23 694	23 939	24 159	24 080	23 946	23 500	23 273	22 928	22 967
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	17 261	17 321	17 027	17 059	17 037	16 992	16 912	16 841	16 719	16 729	16 537	16 570
1983 ---	16 397	16 337	16 199	16 215	16 253	16 570	16 769	16 972	17 116	17 378	17 537	17 856
1984 ---	18 077	18 259	18 527	18 646	19 037	19 351	19 513	19 652	19 829	19 865	19 839	19 767
1985 ---	19 334	19 740	19 486	19 608	19 486	19 518	19 462	19 545	19 562	19 504	19 431	19 752
1986 ---	19 690	19 870	19 850	19 983	19 845	19 797	19 889	20 013	19 932	20 193	20 230	20 086
1987 ---	20 394	20 433	20 413	20 358	20 466	20 428	20 486	20 466	20 635	20 810	20 985	21 430
1988 ---	21 367	21 656	21 998	22 441	22 758	22 807	22 881	23 219	23 300	23 152	23 153	23 140
1989 ---	23 015	22 870	22 801	22 769	22 954	22 929	23 052	22 948	23 168	23 219	23 478	23 245
1990 ---	23 414	23 497	23 579	23 367	23 479	23 567	23 945	23 895	23 806	23 698	23 602	23 591
1991 ---	23 570	23 658	23 605	23 485	23 323	23 342	23 241	23 262	23 318	23 667	23 759	23 988
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.3	-1.7	.2	-1	-3	-5	-4	-7	.1	-1.1	.2
1983 ---	-1.0	-.4	-.8	.1	.2	2.0	1.2	1.2	.8	1.5	.9	1.8
1984 ---	1.2	1.0	1.5	.6	2.1	1.6	.8	.7	.9	.2	-.1	-.4
1985 ---	-2.2	2.1	-1.3	.6	-1	-6	-3	.4	-.1	-.3	-.4	1.7
1986 ---	-.3	.9	-.1	-.7	-.7	-2	.5	.6	-.4	1.3	.2	-.7
1987 ---	1.5	.2	-.1	.3	.5	-.2	.3	-.1	.8	.8	.8	2.1
1988 ---	-.3	1.4	1.6	2.0	1.4	.2	.3	1.5	.3	-.6	-.1	-.1
1989 ---	-.5	-.6	-.3	-.1	.8	-.1	.5	-.5	1.0	.2	1.1	-1.0
1990 ---	.7	.4	.3	-.9	.5	.4	1.6	-.2	-.4	-.5	-.4	-.1
1991 ---	-.1	.4	-.2	-.5	-.7	.1	-.4	-.1	.2	1.5	.4	1.0
<b>OTHER NONDURABLE GOODS INDUSTRIES, TOTAL—MATERIALS AND SUPPLIES</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 727	6 989	6 992	6 973	6 927	7 042	6 929	6 907	6 659	6 468	6 336	6 426
1983 ---	6 352	6 395	6 414	6 341	6 347	6 542	6 575	6 740	6 607	6 566	6 580	6 837
1984 ---	7 028	7 225	7 414	7 432	7 584	7 773	8 041	8 078	7 996	7 822	7 701	7 531
1985 ---	7 729	7 932	7 919	7 915	7 832	8 011	7 993	8 025	7 861	7 646	7 143	7 294
1986 ---	7 348	7 452	7 450	7 450	7 398	7 364	7 675	7 571	7 467	7 266	7 184	7 329
1987 ---	7 588	7 551	7 588	7 790	7 706	7 859	7 953	8 056	7 949	7 876	7 750	7 960
1988 ---	8 164	8 258	8 420	8 638	8 718	8 713	9 078	9 110	9 038	8 847	8 704	8 698
1989 ---	8 864	8 912	8 914	8 893	9 017	9 029	9 277	9 160	8 879	8 774	8 606	8 347
1990 ---	8 595	8 593	8 697	8 542	8 488	8 585	8 806	8 841	8 665	8 456	8 397	8 371
1991 ---	8 688	8 674	8 690	8 537	8 406	8 406	8 521	8 520	8 469	8 369	8 374	8 464
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 795	6 991	6 892	6 882	6 851	6 863	6 743	6 783	6 664	6 640	6 615	6 613
1983 ---	6 412	6 392	6 329	6 282	6 303	6 398	6 395	6 600	6 592	6 721	6 854	7 039
1984 ---	7 091	7 229	7 338	7 382	7 555	7 634	7 809	7 872	7 937	7 974	8 005	7 760
1985 ---	7 803	7 957	7 862	7 872	7 819	7 891	7 757	7 807	7 783	7 773	7 417	7 517
1986 ---	7 402	7 475	7 412	7 413	7 397	7 280	7 446	7 361	7 388	7 369	7 446	7 559
1987 ---	7 642	7 583	7 575	7 752	7 696	7 777	7 711	7 833	7 870	7 986	8 014	8 203
1988 ---	8 214	8 285	8 410	8 598	8 708	8 646	8 814	8 856	8 953	8 957	8 964	8 958
1989 ---	8 923	8 942	8 901	8 866	9 010	8 961	9 015	8 914	8 817	8 891	8 844	8 573
1990 ---	8 635	8 599	8 669	8 537	8 500	8 548	8 575	8 609	8 605	8 559	8 601	8 588
1991 ---	8 740	8 669	8 649	8 538	8 429	8 377	8 300	8 307	8 424	8 479	8 580	8 668
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	2.9	-1.4	-.1	-.5	.2	-1.7	.6	-1.8	-.4	-.4	-.1
1983 ---	-3.0	-.3	-1.0	-.7	.3	1.5	-.1	3.2	-.1	2.0	2.0	2.7
1984 ---	.7	1.9	1.5	.6	2.3	1.0	2.3	.8	.8	.5	.4	-3.1
1985 ---	.6	2.0	-1.2	.1	-.7	.9	-1.7	-.6	-.3	-.1	-4.6	1.3
1986 ---	-1.5	1.0	-.8	-.2	-.2	-1.6	2.3	-1.1	-.4	-.3	1.0	1.5
1987 ---	1.1	-.8	-.1	.23	-.7	-.5	-.8	1.6	.5	1.5	.4	2.4
1988 ---	.1	.9	1.5	2.2	1.3	-.7	1.9	.5	1.1	-.1	-.1	-.1
1989 ---	-.4	.2	-.5	-.4	1.6	-.5	.6	-1.1	-1.1	.8	-.5	-3.1
1990 ---	.7	-.4	.8	-1.5	-.4	.6	.3	.4	-.1	-.5	.5	-.2
1991 ---	1.8	-.8	-.2	-1.3	-1.3	-.6	-.9	.1	1.4	.7	1.2	1.0

See footnotes at end of table



Table 5. Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>OTHER NONDURABLE GOODS INDUSTRIES, TOTAL—WORK-IN-PROCESS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 578	3 478	3 424	3 621	3 679	3 623	3 707	3 683	3 521	3 523	3 392	3 285
1983 ---	3 488	3 549	3 515	3 713	3 703	3 714	3 931	3 964	3 875	3 838	3 782	3 613
1984 ---	3 875	3 981	4 079	4 198	4 182	4 047	4 108	4 081	3 938	3 908	3 921	3 880
1985 ---	3 792	4 014	4 040	4 109	4 061	3 856	3 946	4 159	4 073	3 960	4 055	3 951
1986 ---	4 147	4 237	4 133	4 255	4 196	4 255	4 209	4 219	4 108	4 215	4 162	4 210
1987 ---	4 337	4 602	4 741	4 751	4 812	4 718	4 677	4 635	4 577	4 580	4 608	4 484
1988 ---	4 488	4 620	4 853	4 987	4 997	4 959	4 902	5 002	4 951	4 843	4 873	4 778
1989 ---	4 849	5 000	5 088	5 109	5 031	5 112	5 225	5 247	5 226	5 176	5 051	4 803
1990 ---	4 938	5 067	5 112	5 285	5 190	5 042	5 262	5 386	5 170	5 035	4 966	4 792
1991 ---	4 804	4 988	4 964	5 040	4 903	4 968	5 169	5 144	5 062	5 101	4 951	4 792
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	3 692	3 536	3 444	3 522	3 561	3 591	3 564	3 549	3 520	3 566	3 509	3 480
1983 ---	3 582	3 587	3 524	3 604	3 587	3 683	3 800	3 848	3 889	3 897	3 897	3 820
1984 ---	3 971	4 003	4 074	4 066	4 055	4 013	3 995	3 994	3 957	3 972	4 021	4 093
1985 ---	3 881	4 007	4 002	3 976	3 951	3 825	3 867	4 099	4 095	4 035	4 147	4 151
1986 ---	4 242	4 218	4 069	4 123	4 098	4 228	4 145	4 175	4 113	4 289	4 240	4 416
1987 ---	4 446	4 586	4 665	4 620	4 707	4 678	4 608	4 580	4 663	4 648	4 691	4 702
1988 ---	4 619	4 613	4 777	4 859	4 913	4 927	4 815	4 924	4 910	4 889	4 957	5 028
1989 ---	5 001	5 009	5 018	4 980	4 961	5 087	5 112	5 140	5 175	5 214	5 143	5 062
1990 ---	5 095	5 080	5 046	5 149	5 155	5 047	5 131	5 251	5 108	5 048	5 059	5 067
1991 ---	4 952	5 003	4 902	4 905	4 882	4 977	5 036	5 009	5 001	5 109	5 044	5 068
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	-4.2	-2.6	2.3	1.1	.8	-8	-4	-8	1.3	-1.6	-8
1983 ---	2.9	.1	-1.8	2.3	-.5	2.7	3.2	1.3	1.1	.2	-	-2.0
1984 ---	4.0	.8	1.8	-.2	-.3	-1.0	-.4	-	-.9	.4	1.2	1.8
1985 ---	-5.2	3.2	-.1	-.6	-.6	-3.2	1.1	6.0	-1	-1.5	2.8	.1
1986 ---	2.2	-.6	-3.5	1.3	-.6	3.1	-1.9	-.7	-1.5	4.3	-1.1	4.2
1987 ---	.7	3.1	1.7	-1.0	1.9	-.6	-1.5	1.8	1.8	-.3	.9	.2
1988 ---	-1.8	-.1	3.6	1.7	1.1	.3	-2.3	2.3	-.3	-.4	1.4	1.4
1989 ---	-.5	.2	.2	-.8	-.4	2.5	.5	.5	.7	.8	-1.4	-1.6
1990 ---	.7	-.3	-.7	2.0	.1	-2.1	1.7	2.3	-2.7	-1.2	.2	.2
1991 ---	-2.3	1.0	-2.0	.1	-.5	1.9	1.2	-.5	-.2	2.2	-1.3	.5
<b>OTHER NONDURABLE GOODS INDUSTRIES, TOTAL—FINISHED GOODS</b>												
<b>Not Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 500	6 577	6 586	6 781	7 098	7 265	7 069	6 680	6 457	6 237	5 914	6 032
1983 ---	6 152	6 146	6 222	6 436	6 787	7 184	7 011	6 692	6 578	6 501	6 286	6 549
1984 ---	6 739	6 776	6 947	7 309	7 912	8 495	8 209	7 992	7 889	7 642	7 268	7 433
1985 ---	7 348	7 480	7 421	7 874	8 204	8 580	8 322	7 873	7 678	7 454	7 367	7 611
1986 ---	7 722	7 847	8 135	8 559	8 874	9 040	8 759	8 458	8 159	8 278	8 052	7 649
1987 ---	7 953	7 911	7 927	8 077	8 572	8 666	8 631	8 341	8 158	7 933	7 827	8 043
1988 ---	8 170	8 381	8 551	9 077	9 734	10 009	9 751	9 757	9 500	9 027	8 742	8 651
1989 ---	8 699	8 531	8 619	8 989	9 555	9 619	9 394	9 214	9 266	8 864	9 008	9 088
1990 ---	9 269	9 410	9 583	9 747	10 449	10 784	10 746	10 375	10 175	9 820	9 447	9 408
1991 ---	9 445	9 573	9 781	10 117	10 630	10 785	10 390	10 282	9 969	9 803	9 603	9 711
<b>Seasonally Adjusted—Millions of Dollars</b>												
1982 ---	6 774	6 794	6 691	6 655	6 625	6 538	6 605	6 509	6 535	6 523	6 413	6 477
1983 ---	6 403	6 358	6 346	6 329	6 363	6 489	6 574	6 524	6 635	6 760	6 786	6 997
1984 ---	7 015	7 027	7 115	7 198	7 427	7 704	7 709	7 786	7 935	7 919	7 813	7 914
1985 ---	7 650	7 776	7 622	7 760	7 716	7 802	7 838	7 639	7 684	7 696	7 867	8 084
1986 ---	8 046	8 177	8 369	8 447	8 350	8 291	8 298	8 477	8 431	8 535	8 544	8 111
1987 ---	8 306	8 264	8 173	7 986	8 063	7 973	8 167	8 053	8 102	8 176	8 280	8 525
1988 ---	8 534	8 758	8 811	8 984	9 137	9 234	9 252	9 439	9 437	9 306	9 232	9 154
1989 ---	9 091	8 919	8 882	8 923	8 983	8 881	8 925	8 894	9 176	9 114	9 491	9 610
1990 ---	9 684	9 818	9 864	9 681	9 824	9 972	10 239	10 035	10 093	10 091	9 942	9 936
1991 ---	9 878	9 986	10 054	10 042	10 012	9 988	9 905	9 946	9 893	10 079	10 135	10 252
<b>Seasonally Adjusted—Percent Change From Previous Period</b>												
1982 ---	(X)	.3	-1.5	-.5	-.5	-1.3	1.0	-1.5	.4	-.2	-1.7	1.0
1983 ---	-1.1	-.7	-.2	-.3	.5	2.0	1.3	-.8	1.7	1.9	.4	3.1
1984 ---	.3	.2	1.3	1.2	3.2	3.7	1	1.0	1.9	-.2	-1.3	1.3
1985 ---	-3.3	1.6	-2.0	1.8	-.6	1.1	.5	-2.5	.6	.2	2.2	2.8
1986 ---	-.5	1.6	2.3	.9	-1.1	-.7	.1	2.2	-.5	1.2	.1	-5.1
1987 ---	2.4	-.5	-1.1	-2.3	1.0	-1.1	2.4	-1.4	.6	.9	1.3	3.0
1988 ---	.1	2.6	.6	2.0	1.7	1.1	2	2.0	-	-1.4	-.8	-.8
1989 ---	-.7	-1.9	-.4	.5	.7	-1.1	.5	-.3	3.2	-.7	4.1	1.3
1990 ---	.8	1.4	.5	-1.9	1.5	1.5	2.7	-2.0	.6	-	-1.5	-.1
1991 ---	-.6	1.1	.7	-.1	-.3	-.2	-.8	-.4	-.5	1.9	.6	1.2

See footnotes at end of table.



Table 5. **Manufacturers' Inventories by Stage of Fabrication and Percent Changes for Major Industry Groups, End of Month: 1982-1991—Con.**

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Note: Data in this table may differ from annual data at the aggregate level shown in appendix D, table 2 because of independent rounding.

- Represents no change. (X) Not applicable. (NA) Not available.



Table 6. **Ratio of Manufacturers' Inventories to Shipments, by Major Industry Groups:**  
**1982-1991**

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—INVENTORY/SHIPMENTS</b>												
1982 ---	1.97	1.94	1.95	1.95	1.92	1.92	1.93	1.95	1.94	1.99	1.98	1.97
1983 ---	1.90	1.89	1.85	1.83	1.80	1.76	1.76	1.75	1.73	1.73	1.70	1.67
1984 ---	1.67	1.68	1.68	1.70	1.72	1.73	1.73	1.75	1.79	1.77	1.76	1.75
1985 ---	1.76	1.76	1.73	1.75	1.73	1.75	1.74	1.72	1.73	1.72	1.69	1.71
1986 ---	1.66	1.69	1.72	1.69	1.70	1.69	1.69	1.69	1.66	1.66	1.67	1.62
1987 ---	1.64	1.59	1.59	1.60	1.61	1.59	1.57	1.61	1.57	1.58	1.58	1.58
1988 ---	1.59	1.59	1.57	1.57	1.58	1.56	1.56	1.58	1.58	1.59	1.59	1.56
1989 ---	1.57	1.60	1.62	1.61	1.63	1.65	1.70	1.65	1.67	1.69	1.67	1.66
1990 ---	1.70	1.65	1.63	1.66	1.64	1.63	1.65	1.61	1.65	1.63	1.67	1.70
1991 ---	1.72	1.72	1.76	1.67	1.67	1.66	1.64	1.63	1.63	1.61	1.61	1.66
<b>Durable Goods Industries, Total—Inventory/Shipments</b>												
1982 ---	2.64	2.57	2.55	2.56	2.52	2.55	2.54	2.60	2.61	2.70	2.68	2.65
1983 ---	2.49	2.49	2.42	2.40	2.37	2.29	2.28	2.27	2.21	2.19	2.15	2.09
1984 ---	2.09	2.09	2.12	2.15	2.16	2.16	2.17	2.21	2.25	2.21	2.19	2.20
1985 ---	2.21	2.23	2.20	2.22	2.18	2.21	2.19	2.15	2.17	2.14	2.12	2.15
1986 ---	2.08	2.10	2.15	2.07	2.11	2.08	2.07	2.10	2.08	2.05	2.09	2.00
1987 ---	2.04	1.97	1.97	2.00	2.02	1.99	1.97	2.03	1.96	1.96	1.97	1.95
1988 ---	1.98	1.98	1.94	1.95	1.95	1.93	1.96	1.96	1.94	1.96	1.97	1.92
1989 ---	1.95	2.00	2.04	2.03	2.06	2.09	2.20	2.07	2.09	2.15	2.12	2.09
1990 ---	2.23	2.10	2.06	2.13	2.08	2.05	2.10	2.07	2.14	2.11	2.21	2.22
1991 ---	2.24	2.25	2.31	2.18	2.15	2.13	2.09	2.07	2.06	2.03	2.03	2.11
<b>Stone, Clay, and Glass Products, Total—Inventory/Shipments</b>												
1982 ---	1.82	1.84	1.79	1.83	1.77	1.80	1.79	1.83	1.81	1.82	1.83	1.78
1983 ---	1.64	1.74	1.73	1.70	1.67	1.61	1.66	1.59	1.58	1.58	1.56	1.58
1984 ---	1.56	1.48	1.54	1.56	1.56	1.58	1.55	1.55	1.56	1.56	1.55	1.51
1985 ---	1.59	1.58	1.58	1.54	1.54	1.55	1.53	1.52	1.52	1.51	1.49	1.47
1986 ---	1.37	1.44	1.43	1.40	1.41	1.42	1.42	1.48	1.40	1.42	1.44	1.44
1987 ---	1.44	1.36	1.38	1.40	1.42	1.45	1.39	1.50	1.40	1.28	1.38	1.37
1988 ---	1.41	1.39	1.38	1.38	1.39	1.39	1.41	1.39	1.39	1.42	1.38	1.37
1989 ---	1.38	1.43	1.50	1.42	1.48	1.46	1.52	1.48	1.51	1.46	1.48	1.45
1990 ---	1.43	1.41	1.43	1.45	1.43	1.45	1.46	1.48	1.54	1.56	1.60	1.67
1991 ---	1.74	1.77	1.84	1.74	1.71	1.68	1.59	1.65	1.63	1.65	1.68	1.71
<b>Primary Metal Industries, Total—Inventory/Shipments</b>												
1982 ---	2.78	2.85	2.97	2.92	2.98	3.04	3.13	3.14	3.11	3.28	3.33	3.14
1983 ---	2.96	2.95	2.73	2.70	2.59	2.52	2.44	2.46	2.34	2.29	2.23	2.02
1984 ---	2.21	2.19	2.16	2.24	2.30	2.24	2.29	2.31	2.45	2.33	2.34	2.42
1985 ---	2.31	2.28	2.34	2.25	2.23	2.24	2.21	2.16	2.22	2.23	2.18	2.19
1986 ---	2.12	2.12	2.12	2.08	2.12	2.17	2.20	2.18	2.06	2.03	2.11	2.10
1987 ---	2.12	1.97	1.95	1.91	1.87	1.81	1.74	1.80	1.72	1.72	1.65	1.57
1988 ---	1.72	1.74	1.67	1.69	1.66	1.58	1.68	1.67	1.66	1.69	1.66	1.65
1989 ---	1.68	1.71	1.75	1.76	1.81	1.81	1.88	1.85	1.85	1.87	1.89	1.91
1990 ---	1.87	1.87	1.79	1.82	1.80	1.80	1.78	1.81	1.86	1.82	1.88	1.88
1991 ---	1.93	2.02	2.13	2.00	1.99	2.01	1.95	1.92	1.88	1.88	1.88	1.90
<b>Fabricated Metal Products, Total—Inventory/Shipments</b>												
1982 ---	2.44	2.39	2.33	2.31	2.26	2.29	2.24	2.29	2.34	2.41	2.30	2.27
1983 ---	2.19	2.19	2.17	2.15	2.10	2.09	2.12	2.10	2.00	1.96	1.97	1.95
1984 ---	1.90	1.92	1.96	1.95	1.98	1.98	1.93	1.97	2.03	2.01	1.96	2.00
1985 ---	1.94	2.00	1.97	1.98	1.92	1.95	1.83	1.83	1.84	1.88	1.86	1.93
1986 ---	1.88	1.91	1.98	1.89	1.91	1.89	1.88	1.88	1.85	1.83	1.85	1.83
1987 ---	1.85	1.76	1.80	1.80	1.83	1.81	1.78	1.83	1.84	1.88	1.82	1.84
1988 ---	1.82	1.82	1.80	1.81	1.79	1.72	1.82	1.84	1.84	1.84	1.80	1.79
1989 ---	1.79	1.82	1.85	1.86	1.90	1.90	1.96	1.90	1.90	1.91	1.88	1.87
1990 ---	1.94	1.87	1.83	1.86	1.78	1.79	1.80	1.82	1.82	1.84	1.90	1.83
1991 ---	1.88	1.93	1.93	1.87	1.84	1.80	1.77	1.73	1.73	1.69	1.69	1.73
<b>Industrial Machinery and Equipment, Total—Inventory/Shipments</b>												
1982 ---	3.03	2.95	2.99	3.18	3.18	3.25	3.30	3.28	3.26	3.49	3.38	3.41
1983 ---	3.32	3.42	3.27	3.20	3.19	3.09	2.93	2.95	2.96	2.88	2.84	2.73
1984 ---	2.66	2.65	2.68	2.67	2.60	2.66	2.65	2.70	2.66	2.65	2.64	2.71
1985 ---	2.79	2.75	2.63	2.73	2.65	2.66	2.68	2.66	2.64	2.58	2.49	2.56
1986 ---	2.51	2.49	2.52	2.43	2.53	2.40	2.52	2.52	2.50	2.54	2.49	2.41
1987 ---	2.37	2.39	2.42	2.38	2.40	2.38	2.23	2.26	2.25	2.25	2.29	2.25
1988 ---	2.26	2.25	2.23	2.22	2.21	2.22	2.21	2.19	2.23	2.28	2.29	2.27
1989 ---	2.31	2.30	2.33	2.31	2.28	2.27	2.29	2.33	2.36	2.40	2.36	2.33
1990 ---	2.35	2.35	2.24	2.36	2.34	2.33	2.38	2.29	2.33	2.30	2.34	2.32
1991 ---	2.40	2.44	2.43	2.42	2.42	2.34	2.40	2.40	2.38	2.34	2.31	2.35
<b>Electronic and Other Electrical Equipment, Total—Inventory/Shipments</b>												
1982 ---	2.52	2.46	2.44	2.40	2.40	2.40	2.36	2.45	2.44	2.50	2.48	2.46
1983 ---	2.37	2.32	2.27	2.27	2.25	2.23	2.30	2.24	2.17	2.19	2.13	2.18
1984 ---	2.08	2.13	2.11	2.15	2.09	2.13	2.17	2.16	2.25	2.26	2.30	2.21
1985 ---	2.33	2.35	2.35	2.37	2.33	2.34	2.33	2.32	2.37	2.23	2.16	2.25
1986 ---	2.25	2.20	2.21	2.18	2.20	2.20	2.16	2.18	2.13	2.09	2.12	2.03
1987 ---	2.11	2.07	2.07	2.06	2.09	2.03	2.00	2.03	2.01	2.02	2.00	2.01
1988 ---	1.98	1.97	1.95	1.97	1.94	1.93	1.94	1.92	1.90	1.95	1.99	1.99
1989 ---	1.93	2.01	1.98	1.97	1.99	2.03	2.07	2.02	2.05	2.08	2.08	2.07
1990 ---	2.08	2.02	2.04	2.07	2.01	2.03	2.03	2.04	2.05	1.99	2.04	2.03
1991 ---	2.01	1.99	2.00	1.97	1.92	1.91	1.91	1.89	1.85	1.85	1.81	1.79
<b>Transportation Equipment, Total—Inventory/Shipments</b>												
1982 ---	2.70	2.53	2.44	2.40	2.26	2.26	2.26	2.40	2.44	2.52	2.63	2.57
1983 ---	2.31	2.23	2.20	2.19	2.19	2.02	2.03	2.03	1.97	1.98	1.94	1.86
1984 ---	1.84	1.89	1.95	1.99	2.08	2.02	2.03	2.00	2.16	2.08	2.02	2.02
1985 ---	1.99	2.04	2.01	2.07	2.05	2.09	2.07	1.98	2.01	1.96	2.02	2.01
1986 ---	1.91	2.00	2.15	2.00	2.02	2.03	1.93	2.01	2.04	1.96	2.05	1.81
1987 ---	1.94	1.86	1.83	1.94	1.97	1.96	2.05	2.12	1.99	1.99	2.03	2.05
1988 ---	2.01	2.02	1.98	2.04	2.03	2.07	2.09	2.06	2.05	2.00	2.05	1.93
1989 ---	1.98	2.08	2.16	2.12	2.24	2.32	2.56	2.18	2.23	2.45	2.35	2.31
1990 ---	2.93	2.38	2.28	2.45	2.37	2.22	2.41	2.28	2.46	2.42	2.73	2.84
1991 ---	2.78	2.72	2.90	2.56	2.48	2.48	2.38	2.34	2.32	2.26	2.32	2.59



**Table 6. Ratio of Manufacturers' Inventories to Shipments, by Major Industry Groups:  
1982-1991—Con.**

(Based on seasonally adjusted data)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—INVENTORY/SHIPMENTS—Con.</b>												
<b>Durable Goods Industries, Total—Inventory/Shipments—Con.</b>												
<b>Instruments and Related Products, Total—Inventory/Shipments</b>												
1982 ---	2.89	2.80	2.77	2.75	2.68	2.71	2.70	2.70	2.65	2.77	2.75	2.73
1983 ---	2.62	2.64	2.62	2.62	2.67	2.55	2.54	2.63	2.53	2.51	2.48	2.45
1984 ---	2.50	2.56	2.47	2.46	2.46	2.54	2.56	2.57	2.61	2.64	2.63	2.58
1985 ---	2.62	2.58	2.66	2.66	2.60	2.67	2.66	2.63	2.71	2.67	2.63	2.64
1986 ---	2.62	2.59	2.65	2.61	2.65	2.63	2.61	2.61	2.63	2.58	2.62	2.60
1987 ---	2.68	2.57	2.51	2.55	2.58	2.53	2.52	2.56	2.51	2.58	2.58	2.57
1988 ---	2.69	2.60	2.50	2.44	2.55	2.39	2.38	2.46	2.35	2.47	2.49	2.44
1989 ---	2.55	2.62	2.66	2.77	2.69	2.74	2.78	2.69	2.65	2.65	2.62	2.49
1990 ---	2.53	2.54	2.57	2.57	2.48	2.53	2.50	2.52	2.54	2.50	2.50	2.51
1991 ---	2.49	2.49	2.54	2.40	2.41	2.42	2.41	2.34	2.41	2.37	2.32	2.40
<b>Nondurable Goods Industries, Total—Inventory/Shipments</b>												
1982 ---	1.35	1.34	1.37	1.36	1.33	1.32	1.34	1.34	1.32	1.35	1.35	1.35
1983 ---	1.33	1.33	1.30	1.28	1.26	1.25	1.26	1.25	1.25	1.26	1.24	1.23
1984 ---	1.23	1.25	1.24	1.24	1.27	1.28	1.27	1.29	1.30	1.30	1.29	1.26
1985 ---	1.26	1.26	1.24	1.25	1.24	1.25	1.25	1.24	1.25	1.25	1.22	1.24
1986 ---	1.21	1.24	1.26	1.25	1.24	1.23	1.25	1.22	1.20	1.21	1.20	1.19
1987 ---	1.20	1.17	1.17	1.16	1.16	1.15	1.14	1.17	1.15	1.15	1.15	1.16
1988 ---	1.16	1.16	1.15	1.15	1.16	1.15	1.15	1.16	1.16	1.17	1.16	1.15
1989 ---	1.14	1.15	1.16	1.15	1.15	1.17	1.19	1.19	1.19	1.19	1.19	1.18
1990 ---	1.17	1.17	1.16	1.16	1.16	1.16	1.17	1.13	1.15	1.14	1.14	1.18
1991 ---	1.20	1.20	1.22	1.21	1.18	1.19	1.17	1.18	1.18	1.18	1.18	1.20
<b>Food and Kindred Products, Total—Inventory/Shipments</b>												
1982 ---	1.01	.98	.99	.99	.97	.95	.99	1.00	.97	1.00	.98	1.00
1983 ---	.99	.97	.96	.97	.94	.94	.96	.95	.96	.97	.96	.95
1984 ---	.95	.98	.96	.94	.98	.97	.96	.95	.97	.94	.95	.93
1985 ---	.93	.93	.92	.94	.93	.95	.94	.95	.94	.95	.91	.93
1986 ---	.90	.92	.93	.93	.91	.91	.91	.90	.88	.88	.88	.88
1987 ---	.90	.88	.89	.88	.91	.91	.87	.89	.89	.89	.89	.88
1988 ---	.87	.89	.88	.88	.88	.88	.85	.88	.87	.89	.89	.90
1989 ---	.88	.88	.88	.90	.88	.90	.91	.88	.90	.88	.88	.89
1990 ---	.89	.87	.87	.88	.88	.88	.89	.88	.90	.89	.89	.89
1991 ---	.93	.91	.91	.92	.90	.91	.90	.90	.92	.92	.92	.93
<b>Tobacco Products—Inventory/Shipments</b>												
1982 ---	4.01	4.80	6.06	4.89	5.62	5.60	5.24	5.11	4.77	4.77	5.83	5.54
1983 ---	4.57	5.37	5.28	5.34	5.50	5.44	5.01	5.42	5.03	4.79	4.86	4.30
1984 ---	4.34	4.38	4.46	4.19	4.42	4.66	3.79	4.19	4.65	4.50	5.12	4.56
1985 ---	3.92	3.99	4.19	4.15	4.02	3.90	3.90	3.98	4.04	4.21	4.16	3.49
1986 ---	4.47	3.59	3.59	3.61	3.57	3.26	3.31	3.32	3.55	3.96	3.39	2.98
1987 ---	4.00	3.25	3.38	3.59	3.26	3.25	3.22	3.23	2.80	3.42	2.86	2.61
1988 ---	3.18	2.91	2.78	2.95	2.54	2.81	2.79	2.78	2.40	2.80	2.51	2.40
1989 ---	2.51	2.50	2.39	2.38	2.53	2.61	2.78	2.60	2.46	2.35	2.45	2.42
1990 ---	2.41	2.43	2.53	2.12	2.31	2.64	2.22	2.13	2.32	2.11	1.94	2.84
1991 ---	2.35	2.48	2.40	2.82	2.30	2.33	2.34	2.40	2.29	2.36	1.95	2.56
<b>Textile Mill Products, Total—Inventory/Shipments</b>												
1982 ---	1.84	1.78	1.73	1.76	1.73	1.69	1.76	1.70	1.71	1.68	1.69	1.63
1983 ---	1.67	1.64	1.59	1.57	1.56	1.55	1.54	1.55	1.60	1.57	1.61	1.53
1984 ---	1.53	1.55	1.58	1.59	1.64	1.69	1.74	1.75	1.75	1.80	1.78	1.75
1985 ---	1.76	1.77	1.69	1.69	1.65	1.66	1.63	1.60	1.61	1.58	1.58	1.61
1986 ---	1.52	1.57	1.61	1.56	1.60	1.58	1.52	1.46	1.48	1.44	1.46	1.44
1987 ---	1.47	1.46	1.47	1.46	1.46	1.43	1.39	1.46	1.46	1.48	1.48	1.53
1988 ---	1.53	1.52	1.52	1.49	1.52	1.53	1.56	1.56	1.49	1.60	1.54	1.44
1989 ---	1.45	1.44	1.46	1.49	1.52	1.53	1.55	1.54	1.55	1.55	1.52	1.65
1990 ---	1.54	1.56	1.57	1.60	1.59	1.61	1.64	1.63	1.68	1.67	1.65	1.66
1991 ---	1.70	1.69	1.65	1.58	1.55	1.50	1.45	1.46	1.47	1.45	1.46	1.48
<b>Paper and Allied Products, Total—Inventory/Shipments</b>												
1982 ---	1.31	1.34	1.35	1.38	1.38	1.39	1.38	1.36	1.37	1.38	1.39	1.40
1983 ---	1.32	1.35	1.31	1.25	1.28	1.26	1.25	1.25	1.24	1.23	1.23	1.21
1984 ---	1.21	1.20	1.19	1.22	1.21	1.20	1.23	1.25	1.27	1.28	1.29	1.27
1985 ---	1.32	1.29	1.30	1.32	1.27	1.29	1.28	1.29	1.29	1.31	1.24	1.31
1986 ---	1.25	1.25	1.27	1.23	1.24	1.22	1.23	1.22	1.20	1.20	1.22	1.20
1987 ---	1.22	1.19	1.22	1.23	1.23	1.20	1.16	1.21	1.18	1.17	1.16	1.16
1988 ---	1.15	1.16	1.15	1.14	1.14	1.13	1.14	1.14	1.15	1.16	1.16	1.14
1989 ---	1.12	1.14	1.14	1.14	1.15	1.17	1.20	1.22	1.22	1.22	1.20	1.24
1990 ---	1.22	1.22	1.21	1.23	1.20	1.23	1.21	1.21	1.23	1.22	1.23	1.26
1991 ---	1.29	1.32	1.36	1.35	1.34	1.29	1.27	1.27	1.27	1.29	1.31	1.31
<b>Chemicals and Allied Products, Total—Inventory/Shipments</b>												
1982 ---	1.73	1.71	1.73	1.70	1.69	1.69	1.73	1.70	1.70	1.77	1.73	1.72
1983 ---	1.66	1.62	1.61	1.60	1.54	1.50	1.52	1.52	1.44	1.46	1.46	1.46
1984 ---	1.46	1.48	1.48	1.48	1.50	1.51	1.52	1.54	1.58	1.57	1.56	1.52
1985 ---	1.51	1.52	1.51	1.52	1.54	1.53	1.56	1.56	1.55	1.55	1.57	1.52
1986 ---	1.50	1.50	1.56	1.49	1.52	1.54	1.54	1.47	1.45	1.46	1.46	1.46
1987 ---	1.43	1.40	1.41	1.37	1.32	1.32	1.33	1.33	1.31	1.32	1.31	1.32
1988 ---	1.33	1.33	1.31	1.29	1.30	1.29	1.29	1.28	1.30	1.29	1.28	1.28
1989 ---	1.27	1.30	1.34	1.32	1.32	1.33	1.33	1.37	1.38	1.38	1.38	1.33
1990 ---	1.33	1.34	1.32	1.33	1.33	1.32	1.36	1.29	1.31	1.33	1.33	1.37
1991 ---	1.38	1.40	1.46	1.39	1.37	1.41	1.38	1.40	1.39	1.38	1.43	1.44
<b>Petroleum and Coal Products, Total—Inventory/Shipments</b>												
1982 ---	.99	1.00	1.10	1.02	.94	.94	.96	1.01	.98	.99	1.05	1.06
1983 ---	1.10	1.14	1.04	1.01	.98	.96	.97	.95	1.00	1.02	.97	.97
1984 ---	.95	.95	.93	.98	.99	1.01	1.01	1.03	1.01	1.02	.98	.97
1985 ---	.97	.92	.92	.91	.92	.92	.92	.89	.90	.89	.90	.95
1986 ---	.89	.98	1.02	1.01	.98	1.06	1.05	1.05	.99	1.02	.99	.94
1987 ---	.90	.89	.88	.86	.85	.85	.81	.89	.87	.88	.91	.91
1988 ---	.90	.89	.88	.89	.90	.88	.87	.86	.90	.89	.86	.85
1989 ---	.88	.86	.84	.83	.84	.86	.89	.93	.90	.88	.90	.86
1990 ---	.86	.88	.90	.90	.89	.87	.90	.78	.80	.76	.79	.87
1991 ---	.86	.89	.90	.89	.87	.88	.90	.91	.94	.89	.88	.90



Table 6. **Ratio of Manufacturers' Inventories to Shipments, by Major Industry Groups:**  
**1982-1991—Con.**

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—INVENTORY/SHIPMENTS—Con.</b>												
<b>Nondurable Goods Industries, Total—Inventory/Shipments—Con.</b>												
<b>Rubber and Miscellaneous Plastics Products, Total—Inventory/Shipments</b>												
1982 ---	1.71	1.72	1.70	1.72	1.69	1.64	1.61	1.63	1.60	1.67	1.70	1.65
1983 ---	1.59	1.60	1.59	1.54	1.52	1.50	1.48	1.46	1.45	1.44	1.42	1.36
1984 ---	1.43	1.43	1.42	1.39	1.45	1.48	1.46	1.46	1.46	1.48	1.40	1.39
1985 ---	1.39	1.40	1.42	1.44	1.41	1.48	1.40	1.47	1.47	1.41	1.38	1.46
1986 ---	1.44	1.47	1.49	1.43	1.44	1.40	1.48	1.41	1.36	1.36	1.37	1.36
1987 ---	1.34	1.28	1.26	1.31	1.34	1.33	1.41	1.43	1.36	1.33	1.30	1.37
1988 ---	1.35	1.33	1.33	1.35	1.35	1.38	1.41	1.36	1.37	1.38	1.35	1.33
1989 ---	1.33	1.37	1.43	1.38	1.38	1.38	1.42	1.43	1.45	1.48	1.45	1.39
1990 ---	1.45	1.39	1.29	1.33	1.39	1.34	1.31	1.30	1.35	1.34	1.38	1.42
1991 ---	1.41	1.41	1.42	1.37	1.37	1.35	1.28	1.27	1.25	1.24	1.27	1.28



**Table 7. Ratio of Manufacturers' Unfilled Orders to Shipments, by Major Industry Groups: 1982-1991**

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—UNFILLED ORDERS/SHIPMENTS</b>												
1982 ---	3.84	3.75	3.77	3.81	3.72	3.73	3.71	3.71	3.70	3.82	3.79	3.84
1983 ---	3.76	3.79	3.74	3.71	3.68	3.62	3.65	3.64	3.61	3.64	3.61	3.54
1984 ---	3.59	3.63	3.71	3.70	3.70	3.67	3.69	3.65	3.70	3.62	3.62	3.60
1985 ---	3.66	3.67	3.61	3.64	3.59	3.64	3.64	3.62	3.70	3.66	3.59	3.67
1986 ---	3.67	3.69	3.79	3.68	3.71	3.63	3.65	3.65	3.65	3.61	3.63	3.59
1987 ---	3.64	3.55	3.54	3.60	3.66	3.64	3.62	3.74	3.64	3.66	3.65	3.63
1988 ---	3.68	3.69	3.63	3.64	3.63	3.60	3.64	3.65	3.60	3.67	3.65	3.63
1989 ---	3.68	3.74	3.80	3.81	3.81	3.85	3.97	3.84	3.85	3.92	3.94	3.99
1990 ---	4.05	3.94	3.93	4.02	3.97	3.94	3.98	3.94	4.03	4.02	4.06	4.12
1991 ---	4.16	4.18	4.25	4.11	4.09	4.02	4.05	4.04	3.98	3.94	3.92	4.05
<b>Durable Goods Industries, Total—Unfilled Orders/Shipments</b>												
1982 ---	4.66	4.56	4.58	4.62	4.51	4.54	4.52	4.55	4.53	4.72	4.68	4.74
1983 ---	4.64	4.67	4.59	4.57	4.52	4.43	4.47	4.46	4.38	4.46	4.40	4.29
1984 ---	4.35	4.41	4.51	4.51	4.50	4.47	4.49	4.44	4.52	4.41	4.39	4.37
1985 ---	4.45	4.47	4.42	4.43	4.38	4.43	4.42	4.40	4.52	4.44	4.36	4.47
1986 ---	4.47	4.50	4.65	4.49	4.52	4.45	4.45	4.50	4.49	4.43	4.46	4.40
1987 ---	4.48	4.36	4.33	4.40	4.49	4.47	4.45	4.60	4.43	4.48	4.46	4.42
1988 ---	4.51	4.51	4.43	4.46	4.43	4.38	4.44	4.45	4.38	4.47	4.46	4.45
1989 ---	4.50	4.61	4.66	4.68	4.70	4.74	4.91	4.71	4.74	4.85	4.88	4.89
1990 ---	5.03	4.87	4.85	4.99	4.90	4.85	4.91	4.85	4.98	4.95	5.03	5.09
1991 ---	5.15	5.18	5.29	5.07	5.04	4.94	5.00	4.97	4.89	4.83	4.80	5.00
<b>Stone, Clay, and Glass Products, Total—Unfilled Orders/Shipments</b>												
1982 ---	.96	.91	.86	.87	.85	.85	.84	.85	.88	.85	.87	.84
1983 ---	.79	.84	.87	.87	.89	.89	.92	.90	.90	.91	.90	.90
1984 ---	.94	.93	1.00	1.03	1.04	1.01	1.01	1.02	1.04	1.02	1.02	1.02
1985 ---	1.08	1.09	1.08	1.07	1.08	1.07	1.07	1.08	1.07	1.17	1.12	1.17
1986 ---	1.13	1.20	1.23	1.19	1.18	1.21	1.21	1.23	1.20	1.23	1.23	1.22
1987 ---	1.17	1.13	1.15	1.15	1.16	1.17	1.14	1.23	1.16	1.04	1.11	1.08
1988 ---	1.16	1.15	1.14	1.16	1.16	1.19	1.22	1.20	1.18	1.20	1.19	1.14
1989 ---	1.14	1.18	1.21	1.11	1.15	1.12	1.12	1.05	1.07	1.05	1.08	1.06
1990 ---	1.04	1.02	1.00	1.04	1.02	1.03	1.03	1.07	1.13	1.14	1.13	1.18
1991 ---	1.20	1.25	1.35	1.33	1.35	1.37	1.35	1.43	1.44	1.51	1.46	1.49
<b>Primary Metal Industries, Total—Unfilled Orders/Shipments</b>												
1982 ---	1.99	1.93	1.94	1.89	1.94	2.00	2.06	2.03	2.00	2.06	2.12	2.01
1983 ---	1.90	2.14	2.02	1.96	1.92	1.95	1.93	2.03	2.00	2.01	2.03	1.85
1984 ---	2.07	2.07	2.02	2.12	2.10	1.93	1.96	1.94	2.02	1.92	1.92	1.98
1985 ---	1.95	1.92	1.95	1.93	1.94	1.99	1.97	1.95	1.99	2.00	2.00	2.00
1986 ---	2.00	2.07	2.07	1.95	1.89	1.93	1.91	2.04	2.00	1.99	2.07	2.11
1987 ---	2.12	2.00	2.08	2.11	2.14	2.16	2.11	2.20	2.16	2.20	2.08	2.01
1988 ---	2.18	2.22	2.11	2.09	2.09	2.13	2.13	2.09	2.05	2.08	2.00	1.99
1989 ---	2.02	2.08	2.05	2.07	2.10	2.06	2.06	2.00	1.97	1.94	1.93	2.00
1990 ---	1.99	1.99	1.98	2.03	2.05	2.05	2.01	2.03	2.06	2.04	2.11	2.05
1991 ---	2.01	2.03	2.07	1.96	1.95	2.01	2.05	2.09	2.05	2.05	2.05	2.05
<b>Fabricated Metal Products, Total—Unfilled Orders/Shipments</b>												
1982 ---	3.76	3.63	3.58	3.49	3.34	3.41	3.31	3.33	3.38	3.53	3.33	3.19
1983 ---	3.13	3.10	3.12	3.05	2.97	2.96	2.99	2.90	2.78	2.75	2.71	2.64
1984 ---	2.60	2.64	2.72	2.70	2.77	2.76	2.71	2.80	2.91	2.88	2.79	2.86
1985 ---	2.83	2.91	2.89	2.90	2.80	2.82	2.66	2.63	2.63	2.60	2.63	2.71
1986 ---	2.67	2.70	2.79	2.69	2.73	2.71	2.68	2.66	2.64	2.60	2.67	2.69
1987 ---	2.74	2.57	2.60	2.61	2.70	2.75	2.72	2.82	2.86	2.95	2.87	2.87
1988 ---	2.78	2.75	2.75	2.72	2.68	2.56	2.68	2.64	2.61	2.59	2.48	2.45
1989 ---	2.40	2.47	2.46	2.43	2.42	2.46	2.43	2.27	2.24	2.28	2.22	2.24
1990 ---	2.27	2.18	2.14	2.17	2.06	2.07	2.10	2.09	2.15	2.10	2.17	2.10
1991 ---	2.18	2.21	2.24	2.20	2.21	2.14	2.13	2.07	2.07	2.00	1.98	2.06
<b>Industrial Machinery and Equipment, Total—Unfilled Orders/Shipments</b>												
1982 ---	4.40	4.26	4.15	4.33	4.19	4.15	4.09	3.95	3.86	4.11	3.97	3.96
1983 ---	3.86	3.91	3.78	3.72	3.73	3.63	3.46	3.49	3.59	3.60	3.56	3.44
1984 ---	3.41	3.44	3.51	3.44	3.36	3.41	3.39	3.35	3.28	3.22	3.14	3.14
1985 ---	3.12	3.25	3.18	3.25	3.13	3.12	3.17	3.17	3.18	3.15	3.05	3.09
1986 ---	3.03	3.03	3.04	2.91	2.86	3.00	3.03	2.97	2.99	2.99	2.95	2.89
1987 ---	2.85	2.90	2.94	2.90	2.96	2.98	2.84	3.00	2.90	2.91	2.92	2.87
1988 ---	2.91	2.91	2.90	2.90	2.88	2.89	2.87	2.88	2.91	2.95	2.97	2.91
1989 ---	2.92	2.96	2.99	2.98	2.94	2.95	3.06	2.97	3.02	3.02	2.99	2.86
1990 ---	2.92	2.94	2.81	2.93	2.92	2.90	3.03	2.87	2.96	2.90	2.94	2.90
1991 ---	3.01	2.98	2.95	2.91	2.93	2.83	2.90	2.88	2.91	2.84	2.79	2.86
<b>Electronic and Other Electrical Equipment, Total—Unfilled Orders/ Shipments</b>												
1982 ---	3.20	3.12	3.13	3.13	3.15	3.12	3.08	3.17	3.20	3.33	3.35	3.39
1983 ---	3.31	3.30	3.27	3.29	3.25	3.19	3.40	3.38	3.28	3.37	3.30	3.31
1984 ---	3.23	3.36	3.32	3.37	3.33	3.35	3.38	3.31	3.40	3.32	3.30	3.07
1985 ---	3.29	3.30	3.27	3.27	3.19	3.16	3.15	3.12	3.26	3.11	3.04	3.20
1986 ---	3.22	3.18	3.20	3.14	3.14	3.18	3.12	3.16	3.12	3.08	3.10	3.03
1987 ---	3.09	3.01	2.99	3.02	2.97	2.96	2.96	3.00	2.99	3.01	2.98	3.01
1988 ---	3.01	3.00	3.01	3.05	3.00	2.97	2.98	2.93	2.90	2.93	2.99	2.93
1989 ---	2.82	2.88	2.82	2.73	2.70	2.75	2.75	2.67	2.71	2.79	2.71	2.72
1990 ---	2.75	2.66	2.67	2.71	2.66	2.70	2.66	2.70	2.70	2.64	2.65	2.71
1991 ---	2.69	2.77	2.73	2.73	2.66	2.58	2.59	2.56	2.49	2.49	2.44	2.46
<b>Transportation Equipment, Total—Unfilled Orders/Shipments</b>												
1982 ---	12.83	12.18	12.13	12.20	11.21	11.16	11.39	11.66	11.49	11.59	11.69	11.98
1983 ---	11.58	11.44	11.20	11.39	11.38	10.70	11.26	11.13	10.86	11.50	11.33	11.08
1984 ---	11.15	11.40	12.00	11.83	12.06	11.65	11.94	11.30	11.49	11.03	10.98	10.83
1985 ---	10.63	10.58	10.39	10.35	10.59	10.66	10.59	10.29	11.04	10.32	10.57	10.46
1986 ---	10.61	10.72	11.72	10.92	10.73	10.60	10.13	10.54	10.88	10.16	10.13	9.92
1987 ---	10.51	10.27	9.80	10.42	10.77	10.69	11.15	11.48	10.54	10.84	11.01	11.13
1988 ---	11.11	11.24	10.91	11.48	11.30	11.63	11.57	11.81	11.42	11.58	12.09	12.04
1989 ---	12.60	13.01	13.29	13.56	13.95	13.90	14.83	13.65	13.38	14.84	14.78	14.45
1990 ---	16.47	14.43	14.32	15.02	14.79	13.66	14.48	14.04	14.99	15.07	15.33	16.10
1991 ---	15.83	15.27	16.11	14.89	14.69	14.15	14.51	14.37	13.73	13.60	13.83	15.74

See footnotes at end of table.



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Table 7. **Ratio of Manufacturers' Unfilled Orders to Shipments, by Major Industry Groups:**  
**1982-1991—Con.**

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>ALL MANUFACTURING INDUSTRIES, TOTAL—UNFILLED ORDERS/SHIPMENTS—Con.</b>												
<b>Durable Goods Industries, Total—Unfilled Orders/Shipments—Con.</b>												
<b>Instruments and Related Products, Total—Unfilled Orders/Shipments</b>												
1982 ---	5.24	5.17	5.37	5.44	5.28	5.38	5.42	5.52	5.49	5.82	5.88	6.02
1983 ---	5.90	6.08	6.06	6.05	6.16	5.95	5.95	6.09	5.85	5.83	5.76	5.64
1984 ---	5.98	6.12	5.95	5.91	5.95	6.14	6.15	6.32	6.49	6.56	6.60	6.45
1985 ---	6.86	6.68	6.94	7.02	6.94	7.22	7.22	7.21	7.49	7.40	7.32	7.38
1986 ---	7.49	7.50	7.70	7.59	7.64	7.61	7.59	7.55	7.58	7.44	7.46	7.41
1987 ---	7.68	7.27	7.06	7.31	7.30	7.19	7.18	7.28	7.11	7.30	7.23	7.08
1988 ---	7.47	7.21	6.95	6.58	6.96	6.49	6.41	6.54	6.22	6.48	6.51	6.18
1989 ---	6.37	6.51	6.44	6.59	6.35	6.44	6.45	6.14	6.16	6.19	6.21	6.17
1990 ---	6.19	6.16	6.27	6.30	6.07	6.22	6.14	6.13	6.16	6.03	5.97	5.97
1991 ---	5.94	5.97	6.11	5.65	5.72	5.66	5.73	5.60	5.73	5.67	5.49	5.52
<b>Nondurable Goods Industries, Total—Unfilled Orders/Shipments</b>												
1982 ---	.68	.64	.63	.63	.62	.62	.60	.59	.60	.60	.61	.62
1983 ---	.62	.63	.65	.65	.66	.67	.68	.69	.72	.70	.70	.69
1984 ---	.70	.72	.70	.69	.69	.68	.68	.66	.65	.64	.65	.64
1985 ---	.65	.64	.62	.64	.63	.64	.66	.65	.65	.67	.65	.68
1986 ---	.67	.67	.67	.68	.69	.67	.68	.66	.68	.68	.70	.70
1987 ---	.72	.74	.76	.79	.78	.79	.79	.82	.82	.82	.83	.83
1988 ---	.81	.82	.80	.78	.78	.79	.79	.79	.78	.79	.78	.76
1989 ---	.77	.78	.77	.75	.75	.78	.77	.77	.77	.76	.75	.77
1990 ---	.75	.74	.75	.75	.75	.76	.74	.75	.76	.76	.76	.77
1991 ---	.77	.77	.78	.78	.80	.80	.78	.80	.81	.80	.82	.83

Note: The shipments data used in calculating the ratios excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, and shipping containers; farm and garden equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.



## Appendix A. Sample of M-3 Report Form

[illegible]

INSTRUCTIONS FOR COMPLETING THIS FORM	
<p style="text-align: center;"><b>GENERAL INFORMATION</b></p> <p>A summary of the instructions for completing this form is provided below. A comprehensive instruction manual is available. Copies of the instruction manual or clarification of instructions or definitions may be obtained by calling the contact on the front of the form or by writing to: <b>Bureau of the Census, ATTN: Industry Division, Washington, DC 20233-0001</b></p> <ul style="list-style-type: none"> <li>• <b>Purpose of this survey</b> — This form is designed to collect sales, inventories, and orders data from manufacturing companies for use in the preparation of industry estimates for 79 industry categories encompassing all manufacturing activities. These estimates are widely used as indicators of our Nation's current economic condition and of changes in the business cycle. They also provide important components for estimates of the gross national product (GNP) and related series.</li> <li>• <b>Activities to be reported</b> — A REPORTING UNIT is generally a division, subsidiary, or other operating unit as defined by your company for financial or managerial purposes. Reporting units within the same industry category as defined in the Instruction Manual may be combined for reporting purposes. Thus, a reporting unit could also be a complete company if the company operates predominantly in a single industry category. The Census Bureau may request that very large units with diverse activities be subdivided along industry lines for reporting purposes.</li> </ul> <p>For the purposes of this survey, each reporting unit is to be reported as though a separate entity. Sales (or shipments) should include transfers to other segments of your company as well as sales to unaffiliated customers. Orders, where applicable, should include orders from other segments of your firm. Finally, the reported figures should be limited to domestic operations (the 50 States and the District of Columbia). Please note that, while the activities of foreign subsidiaries should be excluded, export sales to and orders from foreign subsidiaries should be included.</p> <ul style="list-style-type: none"> <li>• <b>Survey deadlines</b> — The first report for this survey is based on receipts through approximately the 18th of the month following the reporting period. If possible, please return your report by this time. Otherwise, the figures for your company will be estimated for the early report with actual figures included in the final report only. If a portion of the requested items can be reported early, please call or write so that arrangements for reporting of those data items on a separate form can be made.</li> <li>• <b>Use of estimates</b> — If actual figures are not available, reasonable estimates may be used for reporting. Please indicate in the "Remarks" section below if figures are estimates.</li> <li>• <b>Comparability with previous reports</b> — Please indicate in the "Remarks" section below if there have been any changes in organization or accounting methods that affect comparability with previous reports.</li> </ul>	<p style="text-align: center;"><b>REPORTING DEFINITIONS</b></p> <ul style="list-style-type: none"> <li><b>A. SALES</b> — Report net sales (or shipments) made during the reporting period. Exclude all taxes that were not included in the cost of goods you purchased. Include sales and transfers to other divisions or subsidiaries of your company.</li> <li><b>B. NEW ORDERS</b> — Report net new orders received during the reporting period. Include (1) the sales value of orders received and filled during the reporting period; (2) orders received for future deliveries; and (3) the net sales value of changes to existing contracts. Do not include orders requiring further negotiations, authorization, or funding before the order is final.</li> <li><b>C. ORDER BACKLOG</b> — Include orders as defined above that have not yet passed through the sales account.</li> <li><b>D. TOTAL INVENTORIES</b> — Report total inventories at current cost or market as of the end of the reporting period, if your inventories are subject to LIFO valuation, report the value prior to the adjustment for the LIFO reserve. The reported figure should include all inventories in the 50 States and the District of Columbia to which you hold title.</li> </ul> <p>The figure for total inventories should equal the sum of the data reported in the following three categories to the extent permitted by your records:</p> <ul style="list-style-type: none"> <li><b>E. MATERIALS AND SUPPLIES INVENTORY</b> — Report materials and supplies inventories at current cost or market as of the end of the reporting period.</li> <li><b>F. WORK-IN-PROCESS INVENTORY</b> — Report work-in-process inventories at current cost or market as of the end of the reporting period.</li> <li><b>G. FINISHED GOODS INVENTORY</b> — Report finished goods inventories at current cost or market as of the end of the reporting period.</li> </ul>
<p><b>OPERATIONAL STATUS</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><input type="checkbox"/> Ceased operations</p> <p><input type="checkbox"/> Sold to another company — Enter name and date in "Remarks"</p> </div> <div style="width: 45%;"> <p><input type="checkbox"/> Acquired another manufacturing operation — Enter name and date in "Remarks"</p> </div> </div>	
<p>Remarks _____</p>	
<p><b>CERTIFICATION</b> This form is substantially accurate and has been prepared in accordance with the instructions</p>	
<p>Signature of authorized person _____</p>	<p>Title _____ Date _____</p>







# Appendix B.

## Composition of Industry Categories in Terms of 1987 Standard Industrial Classification System

M3/SIC code	M3 category title with comparable 4-digit SIC titles	M3/SIC code	M3 category title with comparable 4-digit SIC titles
	<b>FOOD AND KINDRED PRODUCTS</b>		<b>TEXTILE MILL PRODUCTS</b>
<b>20A</b>	<b>Meat products</b>	<b>22A</b>	<b>Broadwoven fabrics and textiles, except those from knitting and floor covering mills</b>
2011	Meat packing plants	2211	Broadwoven fabric mills, cotton
2013	Sausages and other prepared meats	2221	Broadwoven fabric mills, manmade
2015	Poultry slaughtering and processing	2231	Broadwoven fabric mills, wool
<b>20B</b>	<b>Dairy products</b>	2241	Narrow fabric mills
2021	Creamery butter	2261	Finishing plants, cotton
2022	Cheese, natural and processed	2262	Finishing plants, manmade
2023	Dry, condensed, evaporated products	2269	Finishing plants, n.e.c.
2024	Ice cream and frozen desserts	2281	Yarn spinning mills
2026	Fluid milk	2282	Throwing and winding mills
<b>20C</b>	<b>Fats and oils</b>	2284	Thread mills
2074	Cottonseed oil mills	2295	Coated fabrics, not rubberized
2075	Soybean oil mills	2296	Tire cord and fabrics
2076	Vegetable oil mills, n.e.c.	2297	Nonwoven fabrics
2077	Animal and marine fats and oils	2298	Cordage and twine
2079	Edible fats and oils, n.e.c.	2299	Textile goods, n.e.c.
<b>20D</b>	<b>Beverages</b>	<b>22B</b>	<b>Knitting mill products</b>
2082	Malt beverages	2251	Women's hosiery, except socks
2083	Malt	2252	Hosiery, n.e.c.
2084	Wines, brandy, and brandy spirits	2253	Knit outerwear mills
2085	Distilled and blended liquors	2254	Knit underwear mills
2086	Bottled and canned soft drinks	2257	Weft knit fabric mills
2087	Flavoring extracts and syrups, n.e.c.	2258	Lace and warp knit fabric mills
<b>20E</b>	<b>Food and kindred products, except meat and dairy products, beverages, fats, and oils</b>	2259	Knitting mills, n.e.c.
2032	Canned specialties	<b>22C</b>	<b>Carpets and rugs</b>
2033	Canned fruits and vegetables	2273	Carpets and rugs
2034	Dehydrated fruits, vegetables, and soups		<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS</b>
2035	Pickles, sauces, and salad dressings	<b>23A</b>	<b>Apparel and other finished textile products</b>
2037	Frozen fruits and vegetables	2311	Men's and boys' suits and coats
2038	Frozen specialties, n.e.c.	2321	Men's and boys' shirts
2041	Flour and other grain mill products	2322	Men's and boys' underwear and nightwear
2043	Cereal breakfast foods	2323	Men's and boys' neckwear
2044	Rice milling	2325	Men's and boys' trousers and slacks
2045	Prepared flour mixes and doughs	2326	Men's and boys' work clothing
2046	Wet corn milling	2329	Men's and boys' clothing, n.e.c.
2047	Dog and cat food	2331	Women's and misses' blouses and shirts
2048	Prepared feeds, n.e.c.	2335	Women's, juniors' and misses' dresses
2051	Bread, cake, and related products	2337	Women's and misses' suits and coats
2052	Cookies and crackers	2339	Women's and misses' outerwear, n.e.c.
2053	Frozen bakery products, except bread	2341	Women's and children's underwear
2061	Raw cane sugar	2342	Bras, girdles, and allied garments
2062	Cane sugar refining	2353	Hats, caps, and millinery
2063	Beet sugar	2361	Girls' and children's dresses and blouses
2064	Candy and other confectionery products	2369	Girls' and children's outerwear, n.e.c.
2066	Chocolate and cocoa products	2371	Fur goods
2067	Chewing gum	2381	Fabric dress and work gloves
2068	Salted and roasted nuts and seeds	2384	Robes and dressing gowns
2091	Canned and cured fish and seafoods	2385	Waterproof outerwear
2092	Fresh or frozen prepared fish	2386	Leather and sheep-lined clothing
2095	Roasted coffee	2387	Apparel belts
2096	Potato chips and similar snacks	2389	Apparel and accessories, n.e.c.
2097	Manufactured ice	2391	Curtains and draperies
2098	Macaroni and spaghetti	2392	Housefurnishings, n.e.c.
2099	Food preparations, n.e.c.	2393	Textile bags
	<b>TOBACCO PRODUCTS</b>	2394	Canvas and related products
<b>21A</b>	<b>Cigarettes, cigars, chewing and smoking tobacco, and snuff</b>	2395	Pleating and stitching
2111	Cigarettes	2396	Automotive and apparel trimmings
2121	Cigars	2397	Schiffli machine embroideries
2131	Chewing and smoking tobacco	2399	Fabricated textile products, n.e.c.
2141	Tobacco stemming and redrying		<b>LUMBER AND WOOD PRODUCTS</b>
		<b>24A</b>	<b>Wood containers, pallets and skids</b>
		2441	Nailed wood boxes and shook
		2448	Wood pallets and skids
		2449	Wood containers, n.e.c.



M3/SIC code	M3 category title with comparable 4-digit SIC titles	M3/SIC code	M3 category title with comparable 4-digit SIC titles
	<b>LUMBER AND WOOD PRODUCTS—Con.</b>		<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES—Con.</b>
24B	<b>Wood buildings and mobile homes</b>	27B	<b>Publishing and printing products, except newspapers, periodicals and books—Con.</b>
2451	Mobile homes	2759	Commercial printing, n.e.c.
2452	Prefabricated wood buildings	2761	Manifold business forms
24C	<b>Wood products, except containers, buildings, and mobile homes</b>	2771	Greeting cards
2411	Logging	2782	Blankbooks and looseleaf binders
2421	Sawmills and planning mills, general	2789	Bookbinding and related work
2426	Hardwood dimension and flooring mills	2791	Typesetting
2429	Special product sawmills, n.e.c.	2796	Platemaking services
2431	Millwork		<b>CHEMICALS AND ALLIED PRODUCTS</b>
2434	Wood kitchen cabinets	28A	<b>Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals</b>
2435	Hardwood veneer and plywood	2812	Alkalies and chlorine
2436	Softwood veneer and plywood	2813	Industrial gases
2439	Structural wood members, n.e.c.	2819	Industrial inorganic chemicals, n.e.c.
2491	Wood preserving	2821	Plastics materials and resins
2493	Reconstituted wood products	2822	Synthetic rubber
2499	Wood products, n.e.c.	2823	Cellulosic manmade fibers
	<b>FURNITURE AND FIXTURES</b>	2824	Organic fibers, noncellulosic
25A	<b>Household furniture</b>	2861	Gum and wood chemicals
2511	Wood household furniture	2865	Cyclic crudes and intermediates
2512	Upholstered household furniture	2869	Industrial organic chemicals, n.e.c.
2514	Metal household furniture	2891	Adhesives and sealants
2515	Mattresses and bedsprings	2892	Explosives
2517	Wood TV and radio cabinets	2893	Printing ink
2519	Household furniture, n.e.c.	2895	Carbon black
25B	<b>Furniture, except household</b>	2899	Chemical preparations, n.e.c.
2521	Wood office furniture	28B	<b>Paints and related products</b>
2522	Office furniture, except wood	2816	Inorganic pigments
2531	Public building and related furniture	2851	Paints and allied products
2541	Wood partitions and fixtures	28C	<b>Drugs, soaps, and toiletries</b>
2542	Partitions and fixtures, except wood	2833	Medicinals and botanicals
2591	Drapery hardware and blinds and shades	2834	Pharmaceutical preparations
2599	Furniture and fixtures, n.e.c.	2835	Diagnostic substances
	<b>PAPER AND ALLIED PRODUCTS</b>	2836	Biological products, except diagnostic
26A	<b>Pulp, paper, and paperboard mill products</b>	2841	Soap and other detergents
2611	Pulp mills	2842	Polishes and sanitation goods
2621	Paper mills	2843	Surface active agents
2631	Paperboard mills	2844	Toilet preparations
26B	<b>Paperboard containers and boxes</b>	28D	<b>Agricultural chemicals</b>
2652	Setup paperboard boxes	2873	Nitrogenous fertilizers
2653	Corrugated and solid fiber boxes	2874	Phosphatic fertilizers
2655	Fiber cans, drums and similar products	2875	Fertilizers, mixing only
2656	Sanitary food containers	2879	Agricultural chemicals, n.e.c.
2657	Folding paperboard boxes		<b>PETROLEUM REFINING AND RELATED INDUSTRIES</b>
26C	<b>Miscellaneous converted paper products</b>	29A	<b>Asphalt paving and roofing materials</b>
2671	Paper coated and laminated, packaging	2951	Asphalt paving mixtures and blocks
2672	Paper coated and laminated, n.e.c.	2952	Asphalt felts and coatings
2673	Bags: plastics, laminated, and coated	29B	<b>Petroleum refining, except paving and roofing materials</b>
2674	Bags: uncoated paper and multiwall	2911	Petroleum refining
2675	Die-cut paper and board	2992	Lubricating oils and greases
2676	Sanitary paper products	2999	Petroleum and coal products, n.e.c.
2677	Envelopes		<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS</b>
2678	Stationery products	30A	<b>Tires and tubes</b>
2679	Converted paper products, n.e.c.	3011	Tires and inner tubes
	<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>	30B	<b>Rubber and plastics footwear, hose, belting, gaskets and other rubber products, n.e.c.</b>
27A	<b>Newspapers, periodicals and books</b>	3021	Rubber and plastics footwear
2711	Newspapers	3052	Rubber and plastics hose and belting
2721	Periodicals	3053	Gaskets, packing and sealing devices
2731	Book publishing	3061	Mechanical rubber goods
2732	Book printing	3069	Fabricated rubber products, n.e.c.
27B	<b>Publishing and printing products, except newspapers, periodicals and books</b>	30C	<b>Miscellaneous plastics products, n.e.c.</b>
2741	Miscellaneous publishing	3081	Unsupported plastics film and sheet
2752	Commercial printing, lithographic	3082	Unsupported plastics profile shapes
2754	Commercial printing, gravure	3083	Laminated plastics plate and sheet
		3084	Plastics pipe
		3085	Plastics bottles







M3/SIC code	M3 category title with comparable 4-digit SIC titles	M3/SIC code	M3 category title with comparable 4-digit SIC titles
	<b>FABRICATED METAL PRODUCTS—Con.</b>		<b>INDUSTRIAL MACHINERY AND EQUIPMENT—Con.</b>
<b>34F</b>	<b>Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition—Con.</b>	<b>35J</b>	<b>Industrial machinery, n.e.c.</b>
3497	Metal foil and leaf	3592	Carburetors, pistons, rings, valves
3498	Fabricated pipe and fittings	3593	Fluid power cylinders & actuators
3499	Fabricated metal products, n.e.c.	3594	Fluid power pumps and motors
		3596	Scales and balances, except laboratory
		3599	Industrial machinery, n.e.c.
	<b>INDUSTRIAL MACHINERY AND EQUIPMENT</b>		<b>ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT</b>
<b>35A</b>	<b>Steam engines and turbines (including nuclear)</b>	<b>36A</b>	<b>Electrical transmission and distribution equipment</b>
3511	Turbines and turbine generator sets	3612	Transformers, except electronic
		3613	Switchgear and switchboard apparatus
<b>35B</b>	<b>Internal combustion engines including diesel, except automotive and aircraft</b>	<b>36B</b>	<b>Electrical industrial apparatus</b>
3519	Internal combustion engines, including diesel, except automotive and aircraft	3621	Motors and generators
		3624	Carbon and graphite products
		3625	Relays and industrial controls
<b>35C</b>	<b>Farm and garden machinery</b>	3629	Electrical industrial apparatus, n.e.c.
3523	Farm machinery and equipment		
3524	Lawn and garden equipment	<b>36C</b>	<b>Household Appliances</b>
		3631	Household cooking equipment
<b>35D</b>	<b>Construction, mining and material handling equipment</b>	3632	Household refrigerators and freezers
3531	Construction machinery	3633	Household laundry equipment
3532	Mining machinery	3634	Electric housewares and fans
3533	Oil and gas field machinery	3635	Household vacuum cleaners
3534	Elevators and moving stairways	3639	Household appliances, n.e.c.
3535	Conveyors and conveying equipment		
3536	Hoists, cranes, and monorails	<b>36D</b>	<b>Electric lighting and wiring equipment</b>
3537	Industrial trucks and tractors	3641	Electric lamps
		3643	Current-carrying wiring devices
<b>35E</b>	<b>Metalworking Machinery</b>	3644	Noncurrent-carrying wiring devices
3541	Machine tools, metal cutting types	3645	Residential lighting fixtures
3542	Machine tools, metal forming types	3646	Commercial lighting fixtures
3543	Industrial patterns	3647	Vehicular lighting equipment
3544	Special dies, tools, jigs & fixtures	3648	Lighting equipment, n.e.c.
3545	Machine tool accessories		
3546	Power-driven handtools	<b>36E</b>	<b>Household audio and video equipment</b>
3547	Rolling mill machinery	3651	Household audio and video equipment
3548	Welding apparatus	3652	Prerecorded records and tapes
3549	Metalworking machinery, n.e.c.		
<b>35F</b>	<b>Special industry machinery</b>	<b>36F</b>	<b>Communication equipment, except for the Department of Defense</b>
3552	Textile machinery	3661	Telephone and telegraph apparatus
3553	Woodworking machinery	3663	Radio and TV communications equipment
3554	Paper industries machinery	3669	Communications equipment, n.e.c.
3555	Printing trades machinery		
3556	Food products machinery	<b>36G</b>	<b>Communication equipment for the Department of Defense</b>
3559	Special industry machinery, n.e.c.	3661	Telephone and telegraph apparatus
		3663	Radio and TV communications equipment
		3669	Communications equipment, n.e.c.
<b>35G</b>	<b>General industrial machinery</b>	<b>36H</b>	<b>Electronic components and accessories</b>
3561	Pumps and pumping equipment	3671	Electron tubes
3562	Ball and roller bearings	3672	Printed circuit boards
3563	Air and gas compressors	3674	Semiconductors and related devices
3564	Blowers and fans	3675	Electronic capacitors
3565	Packaging machinery	3676	Electronic resistors
3566	Speed changers, drives, and gears	3677	Electronic coils and transformers
3567	Industrial furnaces and ovens	3678	Electronic connectors
3568	Power transmission equipment, n.e.c.	3679	Electronic components, n.e.c.
3569	General industrial machinery, n.e.c.		
<b>35H</b>	<b>Computer and office equipment</b>	<b>36I</b>	<b>Miscellaneous electrical equipment &amp; supplies</b>
3571	Electronic computers	3691	Storage batteries
3572	Computer storage devices	3692	Primary batteries, dry and wet
3575	Computer terminals	3694	Engine electrical equipment
3577	Computer peripheral equipment, n.e.c.	3695	Magnetic and optical recording media
3578	Calculating and accounting equipment	3699	Electrical equipment & supplies, n.e.c.
3579	Office machines, n.e.c.		
<b>35I</b>	<b>Refrigeration, heating and service industry machinery</b>	<b>37A</b>	<b>Motor vehicle parts, accessories and bodies, except car bodies</b>
3581	Automatic vending machines		
3582	Commercial laundry equipment	3713	Truck and bus bodies
3585	Refrigeration and heating equipment	3714	Motor vehicle parts and accessories
3586	Measuring and dispensing pumps	3715	Truck trailers
3589	Service industry machinery, n.e.c.	3716	Motor homes
			<b>TRANSPORTATION EQUIPMENT</b>



M3/SIC code	M3 category title with comparable 4-digit SIC titles	M3/SIC code	M3 category title with comparable 4-digit SIC titles
	<b>TRANSPORTATION EQUIPMENT—Con.</b>		<b>INSTRUMENTS AND RELATED PRODUCTS—Con.</b>
37B	<b>Motor vehicles and car bodies</b>	38C	<b>Measuring and controlling devices</b>
3711	Motor vehicles and car bodies	3821	Laboratory apparatus and furniture
37C	<b>Complete aircraft, missiles, and space vehicles, except for the Department of Defense</b>	3822	Environmental controls
3721	Aircraft	3823	Process control instruments
3761	Guided missiles and space vehicles	3824	Fluid meters and counting devices
37D	<b>Complete aircraft, missiles, and space vehicles for the Department of Defense</b>	3825	Instruments to measure electricity
3721	Aircraft	3826	Analytical instruments
3761	Guided missiles and space vehicles	3827	Optical instruments and lenses
37E	<b>Aircraft, missiles, and space vehicle engines and parts, except for the Department of Defense</b>	3829	Measuring & controlling devices, n.e.c.
3724	Aircraft engines and engine parts	38D	<b>Medical instruments and supplies</b>
3728	Aircraft parts and equipment, n.e.c.	3841	Surgical and medical instruments
3764	Missile and space vehicle propulsion units and parts	3842	Surgical appliances and supplies
3769	Missile and space vehicle equipment, n.e.c.	3843	Dental equipment and supplies
37F	<b>Aircraft, missiles, and space vehicle engines and parts for the Department of Defense</b>	3844	X-ray apparatus and tubes
3724	Aircraft engines and engine parts	3845	Electromedical equipment
3728	Aircraft parts and equipment, n.e.c.	38E	<b>Ophthalmic goods, watches, and clocks</b>
3764	Missile and space vehicle propulsion units and parts	3851	Ophthalmic goods
3769	Missile and space vehicle equipment, n.e.c.	3873	Watches, clocks, watchcases & parts
37G	<b>Ships and tank components, except for the Department of Defense</b>	38F	<b>Photographic goods</b>
3731	Shipbuilding and repairing	3861	Photographic equipment and supplies
3795	Tanks and tank components		
37H	<b>Ships, tanks, and tank components for the Department of Defense</b>	39A	<b>Miscellaneous personal goods, such as jewelry, silverware, toys and games, sporting goods, musical instruments, and burial caskets</b>
3731	Ship building and repairing	3911	Jewelry, precious metal
3795	Tanks and tank components	3914	Silverware and plated ware
37I	<b>Railroad equipment</b>	3915	Jewelers' materials & lapidary work
3743	Railroad equipment	3931	Musical instruments
37J	<b>Boats, motorcycles, bicycles, travel trailers, and campers</b>	3942	Dolls and stuffed toys
3732	Boat building and repairing	3944	Games, toys, and children's vehicles
3751	Motorcycles, bicycles, and parts	3949	Sporting and athletic goods, n.e.c.
3792	Travel trailers and campers	3961	Costume jewelry
3799	Transportation equipment, n.e.c.	3995	Burial caskets
	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	39B	<b>Miscellaneous manufactures, except personal goods</b>
38A	<b>Search and navigation equipment, except for the Department of Defense</b>	3951	Pens and mechanical pencils
3812	Search and navigation equipment	3952	Lead pencils and art goods
38B	<b>Search and navigation equipment for the Department of Defense</b>	3953	Marking devices
3812	Search and navigation equipment	3955	Carbon paper and inked ribbons
		3965	Fasteners, buttons, needles, & pins
		3991	Brooms and brushes
		3993	Signs and advertising specialties
		3996	Hard surface floor coverings, n.e.c.
		3999	Manufacturing industries, n.e.c.







## Appendix C. Composition of Aggregate Data Series in Terms of M3 Industry Series

### Market Categories

#### Automotive Equipment

- 30A Tires and tubes (pt.)
- 36I Miscellaneous electrical equipment and supplies (pt.)
- 37A Motor vehicle parts, accessories and bodies, except car bodies (pt.)
- 37B Motor vehicles and car bodies (pt.)
- 37J Boats, motorcycles, bicycles, travel trailers, and campers

#### Home Goods and Apparel

- 22B Knitting mill products
- 22C Carpets and rugs
- 23A Apparel and other finished textile products
- 25A Household furniture
- 30B Rubber and plastics footwear, hose, belting, gaskets, and other rubber products, n.e.c. (pt.)
- 31B Leather products, except tanning, finishing, and footwear cut stock
- 32B Kitchen articles and pottery
- 32C Stone, clay, and glass products except glass containers, kitchen articles, and pottery (pt.)
- 34B Cutlery and handtools (pt.)
- 35I Refrigeration, heating and service industry machinery (pt.)
- 36C Household appliances
- 36E Household audio and video equipment
- 38E Ophthalmic goods, watches, and clocks
- 39A Miscellaneous personal goods, such as jewelry, silverware, toys and games, sporting goods, musical instruments, and burial caskets

#### Consumer Staples

- 20A Meat products
- 20B Dairy products
- 20C Fats and oils (pt.)
- 20D Beverages (pt.)
- 20E Food and kindred products, except meat and dairy products, beverages, fats and oils (pt.)
- 21A Cigarettes, cigars, and chewing and smoking tobacco, and snuff
- 26C Miscellaneous converted paper products (pt.)
- 27A Newspapers, periodicals, and books (pt.)

- 27B Publishing and printing products, except newspapers, periodicals and books (pt.)
- 28C Drugs, soaps, and toiletries
- 29B Petroleum refining, except paving and roofing materials (pt.)

#### Machinery and Equipment

- 24B Wood buildings and mobile homes
- 25B Furniture, except household (pt.)
- 34C Building materials and wire products (pt.)
- 35A Steam engines and turbines (including nuclear)
- 35C Farm and garden machinery
- 35D Construction, mining, and material handling equipment
- 35E Metalworking machinery
- 35F Special industry machinery
- 35G General industrial machinery (pt.)
- 35H Computer and office equipment (pt.)
- 35I Refrigeration, heating and service industry machinery (pt.)
- 36A Electrical transmission and distribution equipment
- 36F Communication equipment, except for the Department of Defense
- 37A Motor vehicle parts, accessories and bodies, except car bodies (pt.)
- 37B Motor vehicles and car bodies (pt.)
- 37C Complete aircraft, missiles, and space vehicles, except for the Department of Defense
- 37E Aircraft, missile, and space vehicle engines and parts, except for the Department of Defense (pt.)
- 37G Ships and tank components, except for the Department of Defense
- 37I Railroad equipment
- 38A Search and navigation equipment, except for the Department of Defense
- 38D Medical instruments and supplies
- 38F Photographic goods

#### Business Supplies

- 20E Food and kindred products except meat and dairy products, beverages, and fats and oils (pt.)
- 26C Miscellaneous converted paper products (pt.)
- 27A Newspapers, periodicals, and books (pt.)



- 27B Publishing and printing products, except newspapers, periodicals and books (pt.)
- 28A Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals (pt.)
- 28D Agricultural chemicals (pt.)
- 29B Petroleum refining, except paving and roofing materials (pt.)
- 30A Tires and tubes (pt.)
- 34C Building materials and wire products (pt.)
- 34F Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition (pt.)
- 39B Miscellaneous manufactures, except personal goods

### Construction Materials and Supplies

- 24C Wood products, except containers, buildings, and mobile homes (pt.)
- 25B Furniture, except household (pt.)
- 26A Pulp, paper, and paperboard mill products (pt.)
- 28B Paints and related products
- 29A Asphalt paving and roofing materials
- 30C Miscellaneous plastics products, n.e.c. (pt.)
- 32C Stone, clay, and glass products except glass containers, kitchen articles, and pottery (pt.)
- 33A Blast furnaces and steel mill products (pt.)
- 33C Nonferrous metal products, primary and secondary (pt.)
- 34C Building materials and wire products (pt.)
- 36D Electric lighting and wiring equipment

### Defense Products

- 28A Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals (pt.)
- 34X Ordnance and accessories
- 36G Communication equipment for the Department of Defense
- 37D Complete aircraft, missiles, and space vehicles for the Department of Defense
- 37F Aircraft, missiles, and space vehicle engines and parts for the Department of Defense (pt.)
- 37H Ships, tanks, and tank components for the Department of Defense
- 38B Search and navigation equipment for the Department of Defense

### Other Materials and Intermediate Products

- 20C Fats and oils (pt.)
- 20D Beverages (pt.)
- 20E Food and kindred products, except meat and dairy products, beverages, and fats and oils (pt.)
- 22A Broadwoven fabrics and textiles, except those from knitting and floor covering mills
- 24A Wood containers, pallets, and skids

- 24C Wood products, except containers, buildings, and mobile homes (pt.)
- 26A Pulp, paper, and paperboard mill products (pt.)
- 26B Paperboard containers and boxes
- 26C Miscellaneous converted paper products (pt.)
- 28A Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals (pt.)
- 28B Paints and related products (pt.)
- 28D Agricultural chemicals (pt.)
- 29B Petroleum refining, except paving and roofing materials (pt.)
- 30A Tires and tubes (pt.)
- 30B Rubber and plastics footwear, hose, belting, gaskets, and other rubber products, n.e.c. (pt.)
- 30C Miscellaneous plastics products, n.e.c. (pt.)
- 31A Leather tanning and finishing, and footwear cut stock
- 32A Glass containers
- 32C Stone, clay, and glass products, except glass containers, kitchen articles, and pottery (pt.)
- 33A Blast furnaces and steel mill products (pt.)
- 33B Iron and steel foundry products
- 33C Nonferrous metal products, primary and secondary (pt.)
- 34A Metal cans and shipping containers
- 34B Cutlery and handtools (pt.)
- 34C Building materials and wire products (pt.)
- 34F Special industry machinery (pt.)
- 35B Internal combustion engines including diesel, except automotive and aircraft
- 35G General industrial machinery (pt.)
- 35H Computer and office equipment (pt.)
- 35J Industrial machinery, n.e.c.
- 36B Electrical industrial apparatus
- 36H Electronic components and accessories
- 36I Miscellaneous electrical equipment and supplies (pt.)
- 37A Motor vehicle parts, accessories and bodies, except car bodies (pt.)
- 37X Aircraft, missile, and space vehicle engines and parts (pt.)
- 38C Measuring and controlling devices

### Durable Goods Industries

### Nondefense Capital Goods

- 34D Ordnance and accessories, except for the Department of Defense
- 35A Steam engines and turbines (including nuclear)
- 35B Internal combustion engines including diesel, except automotive and aircraft
- 35D Construction, mining, and material handling equipment
- 35E Metalworking machinery
- 35F Special industry machinery



35G	General industrial machinery
35H	Computer and office equipment
35I	Refrigeration, heating and service industry machinery
36A	Electrical transmission and distribution equipment
36B	Electrical industrial apparatus
36F	Communication equipment, except for the Department of Defense
37C	Complete aircraft, missiles, and space vehicles, except for the Department of Defense
37E	Aircraft, missiles, and space vehicle engines and parts, except for the Department of Defense
37G	Ships and tank components, except for the Department of Defense
37I	Railroad equipment
38A	Search and navigation equipment, except for the Department of Defense

#### **Nondefense Capital Goods, excluding Aircraft and Parts**

34D	Ordnance and accessories, except for the Department of Defense
35A	Steam engines and turbines (including nuclear)
35B	Internal combustion engines including diesel, except automotive and aircraft
35D	Construction, mining, and material handling equipment
35E	Metalworking machinery
35F	Special industry machinery
35G	General industrial machinery
35H	Computer and office equipment
35I	Refrigeration, heating and service industry machinery
36A	Electrical transmission and distribution equipment
36B	Electrical industrial apparatus
36F	Communication equipment, except for the Department of Defense
37G	Ships and tank components, except for the Department of Defense
37I	Railroad equipment
38A	Search and navigation equipment, except for the Department of Defense

#### **Defense Capital Goods**

34E	Ordnance and accessories for the Department of Defense, except tanks and missiles
36G	Communication equipment for the Department of Defense
37D	Complete aircraft, missiles, and space vehicles for the Department of Defense
37F	Aircraft, missile, and space vehicle engines and parts for the Department of Defense
37H	Ships, tanks, and tank components for the Department of Defense

38B	Search and navigation equipment for the Department of Defense
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#### **Durables Excluding Capital Goods**

24A	Wood containers, pallets, and skids
24B	Wood buildings and mobile homes
24C	Wood products, except containers, buildings, and mobile homes
25A	Household furniture
25B	Furniture, except household
32A	Glass containers
32B	Kitchen articles and pottery
32C	Stone, clay, and glass products except glass containers, kitchen articles, and pottery
33A	Blast furnaces and steel mill products
33B	Iron and steel foundry products
33C	Nonferrous metal products, primary and secondary
34A	Metal cans and shipping containers
34B	Cutlery and handtools
34C	Building materials and wire products
34F	Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition
35C	Farm and garden machinery
35J	Industrial machinery, n.e.c.
36C	Household appliances
36D	Electric lighting and wiring equipment
36E	Household audio and video equipment
36H	Electronic components and accessories
36I	Miscellaneous electrical equipment and supplies
37A	Motor vehicle parts, accessories and bodies, except car bodies
37B	Motor vehicles and car bodies
37J	Boats, motorcycles, bicycles, travel trailers, and campers
38C	Measuring and controlling devices
38D	Medical instruments and supplies
38E	Ophthalmic goods, watches, and clocks
38F	Photographic goods
39A	Miscellaneous personal goods, such as jewelry, silverware, toys, and games, sporting goods, musical instruments, and burial caskets
39B	Miscellaneous manufactures, except personal goods

#### **Producers' Durable Equipment**

#### **Information Related Equipment**

35H	Computer and office equipment
36F	Communication equipment, except for the Department of Defense
38A	Search and navigation equipment, except for the Department of Defense
38C	Measuring and controlling devices



38F Photographic goods

**Industrial Equipment**

- 34C Building materials and wire products
- 34F Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition
- 35A Steam engines and turbines (including nuclear)
- 35B Internal combustion engines including diesel, except automotive and aircraft
- 35E Metalworking machinery
- 35F Special industry machinery
- 35G General industrial machinery
- 36A Electrical transmission and distribution equipment
- 36B Electrical industrial apparatus

**Transportation Equipment**

- 37A Motor vehicle parts, accessories and bodies, except car bodies
- 37B Motor vehicles and car bodies
- 37C Complete aircraft, missiles, and space vehicles, except for the Department of Defense
- 37G Ships and tank components, except for the Department of Defense
- 37I Railroad equipment

**Other Equipment**

- 25A Household furniture
- 25B Furniture, except household
- 35C Farm and garden machinery
- 35D Construction, mining, and material handling equipment

- 35I Refrigeration, heating and service industry machinery
- 36C Household appliances
- 36I Miscellaneous electrical equipment and supplies
- 38D Medical instruments and supplies
- 39A Miscellaneous personal goods, such as jewelry, silverware, toys and games, sporting goods, musical instruments, and burial caskets
- 39B Miscellaneous manufactures, except personal goods

**Miscellaneous Aggregates**

**Household Durable Goods**

- 25A Household furniture
- 32B Kitchen articles and pottery
- 34B Cutlery and handtools
- 36C Household appliances
- 36E Household audio and video equipment
- 38E Ophthalmic goods, watches, and clocks
- 39A Miscellaneous personal goods, such as jewelry, silverware, toys and games, sporting goods, musical instruments, and burial caskets

**Health Care Equipment and Products**

- 25B Furniture, except household (pt.)
- 28C Drugs, soaps, and toiletries (pt.)
- 30B Rubber and plastics footwear, hose, belting, gaskets, and other rubber products, n.e.c. (pt.)
- 30C Miscellaneous plastics products, n.e.c. (pt.)
- 38D Medical instruments and supplies



# Appendix D. Benchmarking Procedure Used in Revising Historical M3 Shipments and Inventory Estimates 1982-1991

The mathematical technique used in benchmarking historical data in the M3 survey generally follows a trend revision minimization approach with constraints determined by annual benchmarks. The objective function F

$$F = \sum_{i=0}^{n-1} [(Y_{i+1}/Y_i) - (X_{i+1}/X_i)]^2$$

defines the sum of squared differences in the month-to-month trend between the original and revised data.

where  $i = 0 =$  December 1988

$i = n =$  December 1991

$Y_{i+1}/Y_i =$  revised ratio of change from month<sub>i</sub> to month<sub>i+1</sub>

$X_{i+1}/X_i =$  original ratio of change from month<sub>i</sub> to month<sub>i+1</sub>

For shipments and inventories, monthly data for the 80 M3 industry categories are benchmarked using the trend minimization function F.

Constraints for shipments are:

$\sum Y_i = 1982$  Benchmark;  $i \in 1982$

$\sum Y_i = 1983$  Benchmark;  $i \in 1983$

$\sum Y_i = 1984$  Benchmark;  $i \in 1984$

$\sum Y_i = 1985$  Benchmark;  $i \in 1985$

$\sum Y_i = 1986$  Benchmark;  $i \in 1986$

$\sum Y_i = 1987$  Benchmark;  $i \in 1987$

$\sum Y_i = 1988$  Benchmark;  $i \in 1988$

$\sum Y_i = 1989$  Benchmark;  $i \in 1989$

$\sum Y_i = 1990$  Benchmark;  $i \in 1990$

Constraints for inventories are:

$Y_0 =$  December 1981 Benchmark

$Y_{12} =$  December 1982 Benchmark

$Y_{24} =$  December 1983 Benchmark

$Y_{36} =$  December 1984 Benchmark

$Y_{48} =$  December 1985 Benchmark

$Y_{60} =$  December 1986 Benchmark

$Y_{72} =$  December 1987 Benchmark

$Y_{84} =$  December 1988 Benchmark

$Y_{96} =$  December 1989 Benchmark

$Y_{108} =$  December 1990 Benchmark

Stage of fabrication inventories are tabulated and benchmarked at the 2-digit SIC major group level using the procedure described for total inventories.

Any imbalances between the sum of the three stages of fabrication and the total inventory data at the 2-digit SIC major group level are corrected by the following raking procedure:

$$MI_J^A = MI_J^O [TI_J / (MI_J^O + WI_J^O + FI_J^O)]$$

$$WI_J^A = WI_J^O [TI_J / (MI_J^O + WI_J^O + FI_J^O)]$$

$$FI_J^A = FI_J^O [TI_J / (MI_J^O + WI_J^O + FI_J^O)]$$

for  $J = 0$  through  $n$

where  $0 =$  January 1982

$n =$  December 1991

$MI_J^O$  and  $MI_J^A$  are materials and supplies original and as raked.

$WI_J^O$  and  $WI_J^A$  are work in process original and as raked.

$FI_J^O$  and  $FI_J^A$  are finished goods original and as raked.

$TI_J =$  Benchmarked Total Inventories



Table D-1. **BENCHMARK DATA FOR SHIPMENTS AND TOTAL INVENTORIES FOR M3 INDUSTRY CATEGORIES**

(Millions of dollars)

Industry category	Annual shipments		Ending inventories	
	1990 ASM	1989 ASM	1990 ASM	1989 ASM
All manufacturing industries.....	2,873,502	2,792,689	392,489	380,479
Durable goods industries.....	1,468,644	1,460,429	254,505	250,730
Lumber and wood products.....	74,287	74,328	8,312	7,881
Wooden containers, pallets, and skids.....	2,850	2,617	297	255
Wood buildings and mobile homes.....	6,471	6,425	477	491
All other wood products.....	64,966	65,286	7,538	7,135
Furniture and fixtures.....	41,682	41,152	5,865	5,766
Household furniture.....	19,913	19,955	2,981	2,964
All other furniture.....	21,769	21,197	2,884	2,802
Stone, clay, and glass products.....	63,468	63,556	8,058	7,660
Glass containers.....	4,946	4,812	956	885
Kitchen articles and pottery.....	978	974	197	192
Other stone, clay, and glass products.....	57,544	57,770	6,905	6,583
Primary metal industries.....	146,052	152,968	22,276	22,516
Blast furnaces, steel mill products.....	62,121	64,324	11,250	11,157
Iron and steel foundry products.....	12,065	12,280	1,391	1,383
Nonferrous and other primary metal products.....	71,866	76,364	9,635	9,976
Fabricated metal products.....	163,053	162,181	24,128	24,652
Metal cans, and shipping containers.....	13,556	12,628	1,502	1,563
Cutlery and handtools.....	6,204	6,168	1,147	1,136
Building materials and wire products.....	64,139	63,694	9,500	9,751
Ordnance and accessories.....	6,725	7,342	1,390	1,387
Other fabricated metal products.....	72,429	72,349	10,589	10,815
Industrial machinery and equipment.....	256,344	253,643	48,023	48,728
Steam engines and turbines.....	4,357	4,128	1,668	1,310
Internal combustion engines.....	12,224	12,803	1,576	1,654
Farm and garden machinery.....	16,456	14,996	2,641	2,584
Construction, mining, and material handling equipment.....	30,697	29,549	6,749	6,568
Metalworking machinery.....	27,035	26,684	5,661	5,634
Special industry machinery.....	21,258	20,954	4,768	4,720
General industrial machinery.....	30,339	28,818	6,597	6,502
Computer and office equipment.....	64,073	65,426	10,369	11,624
Refrigeration, heating, and service industry machinery.....	26,218	27,056	4,131	4,386
Industrial machinery, n.e.c.....	23,687	23,229	3,864	3,746
Electronic and other electrical equipment.....	194,849	192,293	31,700	32,229
Electrical transmission and distribution equipment.....	9,729	9,400	1,337	1,394
Electrical industrial apparatus.....	18,159	17,955	3,331	3,312
Household appliances.....	18,069	18,335	2,842	2,968
Electric lighting and wiring equipment.....	19,322	19,498	3,015	3,066
Household audio and video equipment.....	9,377	9,096	1,076	1,138
Communication equipment.....	38,452	35,118	7,053	7,022
Electronic components and accessories.....	60,844	59,913	9,515	9,641
Miscellaneous electrical equipment and supplies.....	20,897	22,978	3,531	3,688
Transportation equipment.....	367,927	365,981	75,016	70,462
Motor vehicle parts.....	74,547	76,311	8,498	7,715
Motor vehicle assembly operations.....	140,417	149,315	4,528	4,117
Complete aircraft, missile and space vehicles.....	76,452	67,321	40,832	38,184
Aircraft, missile and space vehicle parts.....	48,742	46,156	16,768	16,298
Shipbuilding and tanks.....	12,702	11,587	1,964	1,767
Railroad equipment.....	4,694	4,429	912	944
Other transportation equipment.....	10,373	10,862	1,515	1,436
Instruments and related products.....	123,777	118,486	24,813	24,689
Search and navigation equipment.....	36,734	35,295	6,686	9,154
Measuring and controlling devices.....	31,456	29,628	7,003	6,868
Medical instruments and supplies.....	30,934	27,183	5,712	5,267
Ophthalmic goods, watches, and clocks.....	3,635	3,642	712	661
Photographic goods.....	21,018	22,738	2,699	2,739

See footnote at end of table.



Table D-1. **BENCHMARK DATA FOR SHIPMENTS AND TOTAL INVENTORIES FOR M3 INDUSTRY CATEGORIES—Con.**

(Millions of dollars)

Industry category	Annual shipments		Ending inventories	
	1990 ASM	1989 ASM	1990 ASM	1989 ASM
<b>Durable goods industries—Cont.</b>				
Other durable goods.....	37,205	35,841	6,314	6,147
Miscellaneous personal goods .....	20,180	19,613	3,800	3,771
Other durable goods.....	17,025	16,228	2,513	2,376
<b>Nondurable goods industries .....</b>	<b>1,404,858</b>	<b>1,332,260</b>	<b>137,983</b>	<b>129,746</b>
Food and kindred products .....	384,009	364,403	29,373	27,710
Meat products .....	90,777	84,340	2,753	2,623
Dairy products .....	50,962	48,045	2,465	2,301
Fats and oils .....	19,499	20,194	1,525	1,393
Beverages .....	52,198	50,133	5,079	4,943
Other food and kindred products .....	170,573	161,691	17,551	16,450
Tobacco products .....	29,923	25,803	6,119	5,706
Textile mill products .....	65,951	67,321	8,430	8,344
Broadwoven fabrics and other textiles .....	41,317	42,082	5,130	5,123
Knitting mill products .....	14,596	15,019	2,014	1,905
Carpets and rugs .....	10,038	10,220	1,286	1,316
Apparel and other finished textile products .....	64,414	63,399	9,042	9,113
Paper and allied products .....	131,444	131,366	13,390	13,189
Pulp, paper and paperboard mill products .....	57,480	58,123	5,225	4,914
Paperboard containers and boxes .....	30,510	30,481	3,334	3,501
Miscellaneous converted paper products .....	43,454	42,762	4,831	4,774
Printing, publishing and allied industries .....	157,059	149,912	11,832	11,394
Newspaper, periodicals, and books .....	74,488	71,846	5,241	4,973
Other publishing and printing .....	82,571	78,066	6,591	6,421
Chemicals and allied products .....	288,184	278,085	33,194	30,831
Industrial chemicals .....	157,276	156,161	17,620	16,143
Paints and related products .....	17,443	16,729	2,357	2,242
Drugs, soaps, and toiletries .....	95,158	87,983	10,969	10,314
Agricultural chemicals .....	18,307	17,212	2,248	2,132
Petroleum and coal products .....	172,589	143,702	13,133	10,374
Asphalt paving and roofing materials .....	7,799	7,477	544	520
Petroleum refining products .....	164,790	136,225	12,588	9,854
Rubber and miscellaneous plastics products .....	101,398	98,417	11,774	11,354
Tires and tubes .....	11,861	11,680	1,195	1,089
Rubber and plastics footwear, hose, belting, gaskets and other rubber products .....	16,779	16,293	2,164	2,078
Miscellaneous plastics products, n.e.c. ....	72,758	70,444	8,415	8,187
Leather and leather products .....	9,887	9,852	1,696	1,731
Leather tanning and finishing and footwear cut stock .....	2,824	2,860	438	469
Other leather products .....	7,063	6,992	1,258	1,262

Note: Detail may not add to total due to independent rounding.



Table D-2. **BENCHMARK DATA FOR INVENTORIES BY STAGE OF FABRICATION FOR MAJOR INDUSTRY GROUPS**

(Millions of dollars)

Industry category	Ending inventories	
	1990	1989
<b>All manufacturing industries:</b>		
Materials and supplies.....	125,296	122,323
Work-in-process.....	140,768	139,000
Finished goods.....	126,429	119,157
<b>Durable goods Industries:</b>		
Materials and supplies.....	72,945	72,078
Work-in-process.....	118,890	118,302
Finished goods.....	62,673	60,353
<b>Lumber and wood products:</b>		
Materials and supplies.....	3,384	3,352
Work-in-process.....	1,724	1,646
Finished goods.....	3,203	2,884
<b>Furniture and fixtures:</b>		
Materials and supplies.....	2,637	2,641
Work-in-process.....	1,242	1,262
Finished goods.....	1,987	1,863
<b>Stone, clay, and glass products:</b>		
Materials and supplies.....	2,565	2,493
Work-in-process.....	1,088	1,084
Finished goods.....	4,405	4,083
<b>Primary metals industries:</b>		
Materials and supplies.....	7,174	7,435
Work-in-process.....	8,356	8,721
Finished goods.....	6,747	6,360
<b>Fabricated metal products:</b>		
Materials and supplies.....	8,725	9,049
Work-in-process.....	8,089	8,317
Finished goods.....	7,314	7,286
<b>Industrial machinery and equipment:</b>		
Materials and supplies.....	14,317	14,191
Work-in-process.....	19,579	20,546
Finished goods.....	14,128	13,991
<b>Electronic and other electrical equipment:</b>		
Materials and supplies.....	10,150	10,590
Work-in-process.....	12,910	13,144
Finished goods.....	8,640	8,495
<b>Transportation equipment:</b>		
Materials and supplies.....	15,131	13,787
Work-in-process.....	51,611	49,101
Finished goods.....	8,276	7,575
<b>Instruments and related products:</b>		
Materials and supplies.....	6,578	6,333
Work-in-process.....	13,052	13,293
Finished goods.....	5,173	5,063
<b>Other durable goods:</b>		
Materials and supplies.....	2,275	2,207
Work-in-process.....	1,239	1,188
Finished goods.....	2,800	2,753
<b>Nondurable goods Industries:</b>		
Materials and supplies.....	52,351	50,245
Work-in-process.....	21,878	20,698
Finished goods.....	63,756	58,804
<b>Food and kindred products:</b>		
Materials and supplies.....	9,766	9,402
Work-in-process.....	3,717	3,236
Finished goods.....	15,890	15,072



Table D-2. **BENCHMARK DATA FOR INVENTORIES BY STAGE OF FABRICATION FOR MAJOR INDUSTRY GROUPS**

(Millions of dollars)

Industry category	Ending inventories	
	1990	1989
<b>Nondurable goods industries—Cont.</b>		
Tobacco products:		
Materials and supplies .....	4,921	4,788
Work-in-process .....	100	121
Finished goods .....	1,098	797
Textile mill products:		
Materials and supplies .....	2,505	2,471
Work-in-process .....	2,341	2,422
Finished goods .....	3,585	3,451
Apparel and other finished textile products:		
Materials and supplies .....	2,976	3,083
Work-in-process .....	1,979	2,002
Finished goods .....	4,087	4,028
Paper and allied products:		
Materials and supplies .....	6,955	6,949
Work-in-process .....	1,327	1,356
Finished goods .....	5,108	4,885
Printing, publishing, and allied industries:		
Materials and supplies .....	4,833	4,690
Work-in-process .....	2,435	2,394
Finished goods .....	4,564	4,310
Chemicals and allied products:		
Materials and supplies .....	11,520	10,735
Work-in-process .....	4,886	4,556
Finished goods .....	16,788	15,540
Petroleum and coal products:		
Materials and supplies .....	3,615	3,009
Work-in-process .....	3,065	2,556
Finished goods .....	6,453	4,809
Rubber and miscellaneous plastics products:		
Materials and supplies .....	4,698	4,544
Work-in-process .....	1,650	1,648
Finished goods .....	5,426	5,162
Leather and leather products:		
Materials and supplies .....	562	574
Work-in-process .....	378	407
Finished goods .....	757	750







## Appendix E. Value of Manufacturers' Unfilled Orders and New Orders Used in Benchmarking Monthly M3 Estimates

The estimation procedure followed in calculating new and unfilled orders consistent with the benchmarked shipments and inventory data discussed in Appendix D is described below. Revisions to the unfilled orders estimates are based on a trend revision minimization approach defined by objective function F with constraints determined by the equations given below.

$$F = \sum_{i=0}^{n-1} [(Y_{i+1}/Y_i) - (X_{i+1}/X_i)]^2$$

where  $i = 0 =$  December 1988

$i = n =$  December 1991

$Y_{i+1}/Y_i =$  revised ratio of change from month<sub>i</sub> to month<sub>i+1</sub>

$X_{i+1}/X_i =$  original ratio of change from month<sub>i</sub> to month<sub>i+1</sub>

Monthly unfilled orders data for 1989 and later are adjusted to be consistent with the 1989 and 1990 ASM shipments estimates using the trend minimization function F with constraints for end-of-year unfilled orders ( $Y_i$ ) determined as follows:

for  $i = 0$ ,  $Y_0 =$  the current M3 end-of-year unfilled orders estimates for 1988

for  $i = 12$  and  $24 =$  December 1989 and December 1990

$$Y_i^A = Y_i^O (S_i^A / S_i^O)$$

where  $Y_i^A =$  adjusted end-of-year 1989 and 1990 unfilled orders

$Y_i^O =$  original M3 end-of-year 1989 and 1990 unfilled orders

$S_i^A =$  ASM annual shipments estimate for 1989 and 1990

$S_i^O =$  M3 annual shipments estimate for 1989 and 1990

Monthly new orders estimates are derived consistent with the benchmarked shipments and unfilled orders monthly data using the following relation.

$$X_J = S_J + (Y_J - Y_{J-1})$$

for  $J = 1$  through  $n$

$J = 1 =$  January 1982

$J = n =$  December 1991

$X_J =$  Benchmark New Orders

$S_J =$  Benchmark Shipments

$Y_J =$  Benchmark Unfilled Orders



Table E-1. END-OF-YEAR UNFILLED ORDERS AS ORIGINALLY PUBLISHED AND AS ADJUSTED

(Millions of dollars)

Industry category	1991	1990	1989
<b>All manufacturing industries:</b>			
As published .....	507,927	524,072	517,822
As adjusted .....	502,265	518,671	507,168
<b>Durable goods industries:</b>			
As published .....	486,745	504,131	497,280
As adjusted .....	479,724	497,552	486,312
<b>Lumber and wood products:</b>			
As published .....	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)
<b>Furniture and fixtures:</b>			
As published .....	4,222	4,584	4,825
As adjusted .....	4,367	4,740	4,907
<b>Stone, clay, and glass products:</b>			
As published .....	6,154	5,084	5,164
As adjusted .....	6,252	5,165	5,140
<b>Primary metals industries:</b>			
As published .....	20,365	22,359	23,156
As adjusted .....	21,345	23,683	23,166
<b>Fabricated metal products:</b>			
As published .....	26,068	27,260	28,326
As adjusted .....	24,243	25,377	27,141
<b>Industrial machinery and equipment:</b>			
As published .....	52,291	56,925	59,055
As adjusted .....	53,071	56,918	57,553
<b>Electronic and other electrical equipment:</b>			
As published .....	46,550	48,643	47,812
As adjusted .....	41,625	42,938	42,829
<b>Transportation equipment:</b>			
As published .....	273,038	277,508	261,228
As adjusted .....	269,593	275,338	260,123
<b>Instruments and related products:</b>			
As published .....	56,000	60,045	66,051
As adjusted .....	56,940	61,454	63,669
<b>Other durable goods:</b>			
As published .....	2,057	1,723	1,663
As adjusted .....	2,283	1,939	1,784
<b>Nondurable goods industries:</b>			
As published .....	21,182	19,941	20,542
As adjusted .....	22,541	21,119	20,856
<b>Food and kindred products:</b>			
As published .....	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)
<b>Tobacco products:</b>			
As published .....	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)
<b>Textile mill products:</b>			
As published .....	9,390	8,155	9,011
As adjusted .....	10,066	8,731	8,775
<b>Apparel and other finished textile products:</b>			
As published .....	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)
<b>Paper and allied products:</b>			
As published .....	6,321	6,630	6,984
As adjusted .....	6,456	6,777	7,154
<b>Printing, publishing, and allied industries:</b>			
As published .....	2,626	2,684	2,689
As adjusted .....	2,574	2,631	2,660
<b>Chemicals and allied products:</b>			
As published .....	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)
<b>Petroleum and coal products:</b>			
As published .....	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)
<b>Rubber and miscellaneous products:</b>			
As published .....	(NA)	(NA)	(NA)
As adjusted .....	(NA)	(NA)	(NA)
<b>Leather and leather products:</b>			
As published .....	2,845	2,472	1,858
As adjusted .....	3,445	2,980	2,267

(NA) Not available.



Table E-2. ANNUAL NEW ORDERS AS ORIGINALLY PUBLISHED AND AS ADJUSTED

(Millions of dollars)

Industry category	1991	1990	1989
<b>All manufacturing industries:</b>			
As published .....	2,847,458	2,923,715	2,889,092
As adjusted .....	2,805,293	2,885,005	2,830,855
<b>Durable goods industries:</b>			
As published .....	1,441,665	1,511,501	1,543,806
As adjusted .....	1,404,750	1,479,884	1,498,871
<b>Lumber and wood products:</b>			
As published .....	69,824	74,168	76,366
As adjusted .....	70,551	74,287	74,328
<b>Furniture and fixtures:</b>			
As published .....	38,739	40,921	41,408
As adjusted .....	39,284	41,515	41,368
<b>Stone, clay, and glass products:</b>			
As published .....	57,534	62,817	63,297
As adjusted .....	58,190	63,493	63,067
<b>Primary metals industries:</b>			
As published .....	125,836	143,388	149,818
As adjusted .....	127,631	146,569	149,775
<b>Fabricated metal products:</b>			
As published .....	180,083	187,049	177,552
As adjusted .....	155,748	161,289	157,970
<b>Industrial machinery and equipment:</b>			
As published .....	245,446	261,443	262,898
As adjusted .....	238,988	255,709	254,234
<b>Electronic and other electrical equipment:</b>			
As published .....	203,696	201,261	197,269
As adjusted .....	198,231	194,958	189,354
<b>Transportation equipment:</b>			
As published .....	370,751	393,599	421,986
As adjusted .....	357,473	383,142	414,426
<b>Instruments and related products:</b>			
As published .....	115,541	114,213	120,188
As adjusted .....	119,431	121,562	118,292
<b>Other durable goods:</b>			
As published .....	34,215	32,642	33,024
As adjusted .....	39,223	37,360	36,057
<b>Nondurable goods industries:</b>			
As published .....	1,405,793	1,412,214	1,345,286
As adjusted .....	1,400,543	1,405,121	1,331,984
<b>Food and kindred products:</b>			
As published .....	398,110	397,090	379,543
As adjusted .....	387,050	384,009	364,403
<b>Tobacco products:</b>			
As published .....	30,042	28,161	26,003
As adjusted .....	32,273	29,923	25,803
<b>Textile mill products:</b>			
As published .....	65,641	62,679	68,325
As adjusted .....	69,091	65,907	67,044
<b>Apparel and other finished textile products:</b>			
As published .....	68,914	63,982	67,066
As adjusted .....	70,607	64,414	63,399
<b>Paper and allied products:</b>			
As published .....	121,905	128,407	127,739
As adjusted .....	124,046	131,067	130,988
<b>Printing, publishing, and allied industries:</b>			
As published .....	164,033	165,513	152,017
As adjusted .....	154,662	157,030	149,613
<b>Chemicals and allied products:</b>			
As published .....	288,018	285,612	275,187
As adjusted .....	289,039	288,184	278,085
<b>Petroleum and coal products:</b>			
As published .....	167,342	179,357	146,310
As adjusted .....	160,391	172,589	143,702
<b>Rubber and miscellaneous products:</b>			
As published .....	92,576	91,657	94,357
As adjusted .....	103,602	101,398	98,417
<b>Leather and leather products:</b>			
As published .....	9,212	9,756	8,739
As adjusted .....	9,782	10,600	10,530







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## Appendix F. Notes on Trading Day Adjustment Methodology and Weight Patterns

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The shipments data in the M3 survey are adjusted for calendar month variations, both length of month and number of trading days per month. The selection of these adjustment factors is based primarily on recognition of patterns contained in the data using the regression and spectral analysis capabilities of the X-11 seasonal adjustment software.

Factors are considered optimal when the daily weights assigned to the industry eliminate or diminish the peaks in the spectral plots, which are based on calendar frequencies, and lower the absolute value of the month-to-month change in the residual irregular component (I) of the data series. Several variations of the calculation

and application of these weights provided multiple versions of the irregular component values. The set of weights selected were those which realized the lowest I value. The following table contains the daily weights used for each industry.

The results of the trading day adjustment affect the historical data in the M3 survey back to 1987. For trading day weights before 1987, see Table F-1 of M3-1(90).

New orders data in this publication are implicitly trading day adjusted by using the trading day adjusted shipments as input to their derivation. The change in unfilled orders is not trading day adjusted.



Table F-1. TRADING DAY WEIGHT PATTERNS AND DIAGNOSTICS

Series	Daily Weights							Trading day adjust- ment indicator	F Ratio <sup>1</sup>
	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
<b>Durable goods industries</b>									
Lumber and wood products:									
Wood containers, pallets, and skids . . . .	1.000	1.000	1.000	1.000	1.000	1.000	1.000	(NT)	1.04
Wood buildings and mobile homes . . . . .	1.104	0.907	1.508	1.095	0.875	1.000	0.510	(T)	9.70
Wood products, except containers, buildings, and mobile homes . . . . .	1.058	0.820	1.238	1.631	0.662	0.842	0.750	(T)	13.49
Furniture and fixtures:									
Household furniture . . . . .	1.647	1.060	0.888	1.526	0.796	0.686	0.397	(T)	18.82
Furniture, except household . . . . .	1.150	1.046	1.302	1.075	1.284	0.614	0.529	(T)	18.67
Stone, clay, and glass products:									
Glass containers . . . . .	0.818	1.578	1.063	1.033	1.337	0.516	0.655	(T)	12.96
Kitchen articles and pottery . . . . .	1.369	1.495	0.866	1.013	1.639	0.618	0.000	(T)	8.49
Other stone, clay, and glass products . . .	1.215	1.265	1.104	1.348	0.969	0.620	0.480	(T)	31.96
Primary metals industries:									
Blast furnaces and steel mill products . .	0.933	1.321	1.164	1.431	0.943	0.662	0.545	(T)	30.14
Iron and steel foundry products . . . . .	1.344	1.114	1.117	1.231	0.808	1.027	0.359	(T)	7.99
Nonferrous metal products, primary and secondary . . . . .	1.115	1.272	0.922	1.304	1.125	0.716	0.545	(T)	12.25
Fabricated metal products:									
Metal cans and shipping containers . . . .	1.115	0.972	1.193	1.179	1.249	0.600	0.692	(T)	10.31
Cutlery and handtools . . . . .	1.133	1.273	1.149	1.119	1.202	0.763	0.361	(T)	7.90
Building materials and wire products . . .	0.910	1.455	0.966	1.436	0.969	0.718	0.544	(T)	23.22
Ordnance and accessories:									
Nondefense . . . . .	1.331	1.017	1.418	0.557	1.195	1.337	0.144	(T)	3.51
Defense . . . . .	1.139	1.430	1.111	0.595	1.691	0.603	0.430	(T)	3.94
Other fabricated metal products . . . . .	1.309	1.300	0.982	1.347	0.921	0.769	0.373	(T)	23.26
Industrial machinery and equipment:									
Steam engines and turbines . . . . .	1.000	1.000	1.000	1.000	1.000	1.000	1.000	(NT)	1.70
Internal combustion engines . . . . .	0.947	0.704	1.441	1.024	1.028	0.743	1.114	(T)	2.63
Farm and garden machinery . . . . .	1.080	1.167	1.098	1.351	1.142	0.887	0.275	(T)	5.37
Construction, mining, and material handling equipment . . . . .	0.736	1.522	0.758	1.610	0.848	0.797	0.730	(T)	10.27
Metalworking machinery . . . . .	1.238	1.242	1.141	1.016	1.309	0.742	0.313	(T)	16.63
Special industry machinery . . . . .	1.248	0.431	1.503	1.029	1.056	0.618	1.114	(T)	2.27
General industrial machinery . . . . .	1.088	1.394	1.173	1.066	1.167	0.659	0.452	(T)	30.61
Computer and office equipment . . . . .	1.141	1.051	1.242	0.893	1.051	0.986	0.635	(T)	2.88
Refrigeration, heating and service industry machinery . . . . .	1.344	0.900	1.222	1.245	1.069	0.788	0.432	(T)	10.39
Industrial machinery, n.e.c. . . . .	0.830	1.372	1.151	1.589	1.042	0.495	0.521	(T)	16.11
Electronic and other electrical machinery:									
Electrical transmission and distri- bution equipment . . . . .	1.089	1.280	0.713	1.178	0.926	0.801	1.012	(T)	2.07
Electrical industrial apparatus . . . . .	1.142	0.982	1.029	1.329	0.696	1.025	0.797	(T)	5.87
Household appliances . . . . .	1.072	1.151	1.149	1.104	1.008	0.596	0.919	(T)	5.18
Electric lighting and wiring equipment . .	0.998	1.343	1.029	1.161	0.981	0.797	0.690	(T)	12.36
Household audio and video equipment . .	1.245	1.510	0.880	0.995	1.075	0.855	0.440	(T)	4.85
Communication equipment:									
Nondefense . . . . .	0.806	1.300	1.107	1.186	1.310	0.612	0.678	(T)	15.93
Defense . . . . .	1.000	1.000	1.000	1.000	1.000	1.000	1.000	(NT)	0.68
Electronic components and accesso- ries . . . . .	1.035	1.119	1.072	0.941	1.281	0.779	0.774	(T)	10.05
Other electrical machinery . . . . .	1.156	1.295	1.048	0.842	1.194	0.767	0.697	(T)	6.66
Transportation equipment:									
Motor vehicle parts . . . . .	1.111	1.450	1.457	1.173	0.579	1.060	0.170	(T)	13.35
Motor vehicle assembly operations . . . .	1.288	1.467	1.078	1.758	0.530	0.879	0.000	(T)	14.98
Complete aircraft, missiles and space vehicles:									
Nondefense . . . . .	0.998	1.438	1.690	0.966	1.261	0.559	0.087	(T)	3.55
Defense . . . . .	0.956	1.433	1.365	0.994	1.005	0.536	0.711	(T)	9.35

See footnotes at end of table.



Table F-1. TRADING DAY WEIGHT PATTERNS AND DIAGNOSTICS

Series	Daily Weights							Trading day adjustment indicator	F Ratio <sup>1</sup>
	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
<b>Durable goods Industries—Cont.</b>									
Aircraft, missiles and space vehicle parts:									
Nondefense .....	0.955	1.543	1.453	0.707	0.868	0.976	0.497	(T)	5.86
Defense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	(NT)	1.99
Shipbuilding, tanks and tank components:									
Nondefense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	(NT)	2.12
Defense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	(NT)	2.55
Railroad equipment .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	(NT)	2.41
Other transportation equipment .....	1.145	1.322	0.727	1.248	1.660	0.512	0.387	(T)	6.34
Instruments and related products:									
Search and navigation equipment:									
Nondefense .....	0.465	1.364	1.021	1.155	1.438	1.007	0.550	(T)	8.82
Defense .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	(NT)	4.00
Measuring and controlling devices .....	1.108	1.071	1.183	1.099	1.161	0.700	0.678	(T)	13.83
Medical instruments and supplies .....	1.048	1.154	1.037	1.147	1.302	0.527	0.786	(T)	16.23
Ophthalmic goods, watches, and clocks .....	1.123	0.924	1.269	0.983	1.320	0.544	0.837	(T)	3.68
Photographic goods .....	0.955	1.309	1.068	0.817	1.580	0.386	0.886	(T)	10.61
Other durable goods:									
Miscellaneous personal goods .....	1.177	1.229	1.257	0.959	1.259	1.119	0.000	(T)	8.45
Other durable goods .....	0.970	1.300	0.930	1.219	1.110	0.811	0.660	(T)	5.42
<b>Nondurable goods industries</b>									
Food and kindred products:									
Meat products .....	1.121	0.773	1.413	1.093	0.980	0.746	0.875	(T)	12.39
Dairy products .....	1.145	1.046	1.151	1.204	1.123	0.748	0.584	(T)	43.91
Fats and oils .....	1.216	1.032	0.917	1.359	1.029	0.500	0.947	(T)	3.93
Beverages .....	1.039	1.136	1.113	1.179	1.226	0.697	0.609	(T)	16.20
Food and kindred products, except meat and dairy products, beverages, fats, and oils .....	1.196	1.231	1.000	1.095	1.238	0.601	0.639	(T)	28.26
Tobacco products:									
Cigarettes, cigars, chewing and smoking tobacco, and snuff .....	1.699	1.504	0.825	0.985	1.487	0.000	0.500	(T)	6.78
Textile mill products:									
Broadwoven fabrics and other textiles, except those from knitting and floor covering mills .....	1.140	1.132	1.236	1.112	1.114	0.644	0.621	(T)	24.62
Knitting mill products .....	1.109	1.066	1.067	1.404	0.918	0.663	0.774	(T)	9.16
Carpets and rugs .....	1.087	0.981	1.310	1.311	1.114	0.833	0.364	(T)	13.52
Apparel and other finished textile products .....	1.062	1.396	0.982	1.069	1.073	0.763	0.655	(T)	10.75
Paper and allied products:									
Pulp, paper, and paperboard mill products .....	1.075	1.169	1.144	1.077	1.057	0.841	0.637	(T)	19.26
Paperboard containers and boxes .....	1.039	1.264	1.275	1.095	1.178	0.399	0.750	(T)	48.92
Miscellaneous converted paper products .....	0.954	1.378	0.804	1.346	1.155	0.549	0.815	(T)	15.58
Printing, publishing, and allied industries:									
Newspapers, periodicals, and books .....	1.201	1.076	0.937	1.159	0.888	0.727	1.011	(T)	8.72
Other publishing and printing .....	1.275	1.026	1.394	1.186	0.979	0.583	0.557	(T)	43.65

See footnotes at end of table.



Table F-1. TRADING DAY WEIGHT PATTERNS AND DIAGNOSTICS

Series	Daily Weights							Trading day adjustment indicator	F Ratio <sup>1</sup>
	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
<b>Nondurable goods industries—Cont.</b>									
Chemicals and allied products:									
Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals .....	1.052	1.247	1.132	1.221	0.932	0.677	0.740	(T)	40.60
Paints and related products .....	1.236	0.905	1.195	1.257	0.916	0.800	0.691	(T)	12.15
Drugs, soaps, and toiletries .....	1.230	1.335	1.031	1.164	1.223	0.664	0.353	(T)	31.75
Agricultural chemicals .....	1.060	1.065	0.949	1.837	0.697	0.422	0.970	(T)	2.78
Petroleum and coal products:									
Asphalt paving and roofing materials ...	1.423	0.462	1.241	1.951	0.530	0.678	0.714	(T)	5.05
Petroleum refining, except paving and roofing materials .....	1.105	1.166	0.856	1.058	1.214	0.862	0.739	(T)	3.62
Rubber and miscellaneous plastics products:									
Tires and tubes .....	0.990	1.505	0.859	1.436	1.083	0.704	0.422	(T)	20.18
Rubber and plastics footwear, hose, belting, gaskets, and other rubber products .....	0.899	1.229	1.096	1.293	0.938	0.858	0.686	(T)	10.79
Miscellaneous plastics products n.e.c. ....	1.113	1.197	1.024	1.370	0.898	0.814	0.585	(T)	14.66
Leather and leather products:									
Leather tanning and finishing, and footwear cut stock .....	0.798	1.416	1.475	0.423	1.595	0.363	0.929	(T)	5.14
Other leather products .....	0.750	1.583	0.955	0.866	1.459	0.399	0.989	(T)	4.76

(NT) Not trading day adjusted. (T) Trading day adjusted.

<sup>1</sup>The F value measures the presence of stable trading day patterns, and is the quotient of the between months' variance attributable to the trading day component and the residual variance attributable to the irregular component. Values greater than 7 indicate there is a significant trading day pattern present.



## Appendix G. Summary Measures for Evaluating the Quality of the Seasonal Adjustment of M3 Series

The measures shown in the following table were used in evaluating the current seasonal adjustment procedure. Brief descriptions of the measures follow:

The average absolute percentage change without regard to sign is the average of the absolute percentage changes between all pairs of adjacent months; it is one measure of variability.

The "O" is the average month-to-month percentage change, without regard to sign, in the original series. The "CI" is the same for the seasonally adjusted series. The "C" is the same for the cyclical component which is a smooth, flexible, moving average of the seasonally adjusted series. The "I" is the same for the irregular component, which is obtained by dividing the cyclical component into the seasonally adjusted series.

The "IC" is the average relative month-to-month change, without regard to sign, of the irregular component divided by the average relative month-to-month change, without regard to sign, of the cyclical component. It serves as an indication of the series' relative irregularity.

The measures of relative contributions of the component series to the variation in the original series can be interpreted as measures of the absolute importance of each component. The percentages shown are actually the percentages of the total variance obtained by adding up the variances of the individual components and may differ from those using the variance computed directly from the original series. The I is the irregular component, C is the trend component, and S is the seasonal component. A value of I greater than 30 usually indicates that the erratic movements in the series will significantly diminish the ability of X-11 to identify the seasonal movements in the data. Values of S less than 50 suggest that the seasonal movements are difficult to quantify.

The F value presented here measures the presence of stable seasonality. It is the quotient of two variances: (1) the between months variance, which is mainly due to seasonal, and (2) the residual variance, which is mainly due to irregular. A value of 7.0 or greater is used as an indicator of the presence of stable seasonality.

The Q value is a weighted average of 11 different quality control statistics concerned variously with the irregular movements of the series and with seasonal patterns changing too rapidly to be identifiable, particularly in recent years. A value greater than 1.2 is unacceptable. Values less than 0.8 often indicate an acceptable adjustment. With values between 0.8 and 1.2, other measures must be consulted to determine if the seasonal movement in the series can be adequately quantified by the X-11 program.

The  $SF_R$  and  $MM_c$  are diagnostics from the sliding spans tests. The  $SF_R$  measures the amount of revision in a seasonal factor for a specific observation that occurs as the specific years included in the seasonal adjustment analysis change. For example, for most series in this publication a 10-year series is examined as three 8-year spans: 1978 to 1985, 1979 to 1986, and 1980 to 1987. For the  $SF_R$ , it is considered acceptable if no more than 25 percent of the seasonal factors are revised by more than 3 percent for Q values  $\leq 0.80$ ; for Q values between 0.8 and 1.2, the  $SF_R$  should be no more than 15 percent.

The  $MM_c$  is a measure of the revision in the month-to-month percent change for specific observations, as the years included in the span are changed. It is considered acceptable if no more than 40 percent of the observations are revised by more than 3 percent.

The ratio of maximum to minimum seasonal factor gives the ratio of the largest upward adjustment to the largest downward adjustment, and therefore measures the extent of the seasonal movements estimated by the program. An NS in the last column indicates a series is not seasonally adjusted in this publication. The other columns for these series contain the measures produced in X-11 ARIMA and sliding spans runs to determine the presence of quantifiable seasonality. For series which are not seasonally adjusted in this publication, the original unadjusted values are included in both the seasonally adjusted and unadjusted totals.



Table G-1. Shipments

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CI)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods Industries:														
Lumber and wood products:														
Wooden containers, pallets, and skids .....	10.81	8.44	7.88	2.07	3.80	59.98	4.15	35.87	10.48	1.00	23.1	20.4	1.32	(NS)
Wood buildings and mobile homes .....	9.47	3.87	3.53	1.31	2.69	15.52	2.14	82.34	85.89	0.34	8.4	16.1	1.44	(S)
All other wood products .....	6.70	3.39	3.06	1.11	2.76	26.78	3.52	69.70	59.26	0.46	3.4	13.6	1.28	(S)
Furniture and fixtures:														
Household furniture .....	9.38	2.89	2.67	0.75	3.58	9.53	0.74	89.73	104.54	0.35	-	3.7	1.33	(S)
All other furniture .....	5.83	2.82	2.54	0.96	2.64	22.72	3.26	74.02	21.85	0.63	-	1.9	1.19	(S)
Stone, clay, and glass products:														
Glass containers .....	6.70	3.15	2.99	0.70	4.28	21.93	1.19	76.88	60.26	0.48	2.5	11.9	1.36	(S)
Kitchen articles and pottery .....	13.69	5.41	4.84	1.73	2.80	13.84	1.77	84.39	28.15	0.67	19.4	21.7	1.98	(S)
Other stone, clay, and glass products .....	6.48	2.15	1.83	0.81	2.27	8.65	1.68	89.67	181.68	0.32	-	-	1.30	(S)
Primary metal Industries:														
Blast furnaces, steel mills .....	5.97	3.34	2.47	1.81	1.36	20.75	11.24	68.01	32.47	0.42	-	-	1.20	(S)
Iron and steel foundries .....	9.07	3.34	2.94	1.38	2.13	12.45	2.74	84.81	62.38	0.43	3.7	0.9	1.37	(S)
Nonferrous and other primary metal products .....	5.72	2.92	2.52	1.19	2.12	20.65	4.61	74.74	37.17	0.51	-	-	1.17	(S)
Fabricated metal products:														
Metal cans and shipping containers .....	7.35	2.87	2.69	0.73	3.69	13.56	1.00	85.44	111.91	0.38	6.7	11.9	1.48	(S)
Cutlery and handtools .....	10.52	4.07	3.90	0.81	4.80	14.50	0.63	84.87	36.43	0.72	12.5	13.3	1.31	(S)
Building materials and wire products .....	7.08	2.50	2.26	0.86	2.64	10.63	1.53	87.84	76.52	0.41	-	0.9	1.28	(S)
Ordinance and accessories:														
Nondefense .....	11.97	6.63	5.82	2.19	2.65	32.82	4.66	62.52	29.74	0.58	28.5	31.5	1.45	(S)
Defense .....	10.16	7.22	6.64	1.99	3.33	53.26	4.80	41.93	8.59	1.12	20.1	31.5	1.34	(S)
Other fabricated metal products .....	7.81	2.55	2.12	1.07	1.98	7.69	1.97	90.35	90.89	0.29	1.9	1.9	1.27	(S)
Industrial machinery and equipment:														
Steam engines and turbines .....	40.29	13.23	12.74	2.34	5.44	11.78	0.40	87.83	20.24	0.99	56.3	67.8	5.50	(S)
Internal combustion engines .....	9.49	4.41	4.08	1.13	3.62	21.83	1.66	76.51	51.19	0.55	7.4	13.1	1.33	(S)
Farm and garden machinery .....	13.33	5.91	5.67	1.53	3.70	19.34	1.41	79.25	65.30	0.46	16.0	18.6	1.68	(S)
Construction, mining, and material handling equipment .....	6.63	4.07	3.75	1.23	3.05	38.77	4.17	57.07	16.07	0.86	9.0	17.5	1.25	(S)
Metalworking machinery .....	8.29	2.93	2.75	1.15	2.39	11.13	1.95	86.92	35.13	0.59	11.1	13.1	1.28	(S)
Special industry machinery .....	12.06	5.89	5.56	1.31	4.25	21.31	1.18	77.51	19.35	0.98	9.3	23.4	1.32	(S)
General industrial machinery .....	5.81	2.37	2.13	1.00	2.12	15.35	3.41	81.24	55.75	0.33	-	1.9	1.16	(S)
Computer and office equipment .....	25.92	3.95	3.69	1.07	3.44	2.11	0.18	97.71	132.95	0.41	19.4	29.9	1.90	(S)
Refrigeration, heating, and service industry machinery .....	7.71	3.12	2.80	1.00	2.81	15.08	1.91	83.01	69.92	0.40	6.5	14.0	1.41	(S)
Industrial machinery, n.e.c. ....	9.30	4.40	4.07	1.39	2.94	21.27	2.46	76.27	69.00	0.49	3.5	9.8	1.34	(S)
Electronic and other electrical equipment:														
Electrical transmission and distribution equipment .....	11.10	3.82	3.67	0.72	5.09	11.55	0.45	88.00	51.09	0.71	4.6	12.1	1.34	(S)
Electrical industrial apparatus .....	8.39	3.03	2.82	0.82	3.43	13.69	1.17	85.14	40.31	0.47	1.9	0.9	1.30	(S)
Household appliances .....	7.30	3.17	2.94	0.91	3.22	17.62	1.70	80.68	54.00	0.58	9.3	12.1	1.37	(S)
Electric lighting and wiring equipment .....	7.85	2.76	2.51	0.90	2.79	10.30	1.32	88.38	58.06	0.42	7.4	14.0	1.24	(S)
Household audio and video equipment .....	13.96	5.57	5.19	1.61	3.23	13.14	1.26	85.61	62.66	0.53	12.5	25.2	1.59	(S)
Communication equipment:														
Nondefense .....	11.68	4.18	3.99	0.97	4.14	11.09	0.65	88.27	44.60	0.62	11.1	20.6	1.49	(S)
Defense .....	15.74	7.01	6.74	1.64	4.12	19.83	1.17	79.00	20.60	0.91	34.3	41.1	1.91	(S)
Electronic components .....	5.65	2.17	1.75	1.11	1.58	10.10	4.02	85.88	90.08	0.31	-	1.9	1.17	(S)
Miscellaneous electrical equipment and supplies .....	8.08	3.15	2.83	1.09	2.58	11.87	1.78	86.35	53.04	0.43	4.6	10.3	1.27	(S)
Transportation equipment:														
Motor vehicle parts .....	11.43	4.72	3.97	1.79	2.22	13.39	2.71	83.91	53.31	0.54	25.0	23.8	1.42	(S)
Motor vehicle assembly operations .....	14.18	6.73	5.85	2.14	2.74	21.48	2.86	75.66	49.57	0.42	19.6	20.4	1.65	(S)

See footnotes at end of table.



Table G-1. Shipments—Continued

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (C)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods Industries:—Con.														
Transportation equipment:—Con.														
Complete aircraft, missile and space vehicles:														
Nondefense . . . . .	22.28	13.54	12.76	2.83	4.51	35.69	1.76	62.55	21.45	0.86	35.4	52.4	2.01	(S)
Defense . . . . .	10.01	5.00	4.88	1.09	4.50	25.08	1.24	73.67	29.28	0.91	4.9	14.0	1.42	(S)
Aircraft, missile and space vehicle parts:														
Nondefense . . . . .	12.38	6.27	6.03	1.44	4.18	23.46	1.34	75.20	23.47	0.89	12.0	22.4	1.40	(S)
Defense . . . . .	17.54	7.52	7.18	1.50	4.79	18.87	0.82	80.31	19.97	0.87	22.2	33.6	2.02	(S)
Shipbuilding and tanks:														
Nondefense . . . . .	20.56	12.65	12.20	3.13	3.90	37.70	2.48	59.81	18.42	0.84	52.1	64.3	2.12	(S)
Defense . . . . .	10.43	7.38	7.00	1.69	4.13	56.55	3.31	40.14	10.16	0.90	20.1	39.9	1.30	(S)
Railroad equipment . . . . .	16.15	11.58	10.96	2.62	4.18	44.19	2.53	53.28	7.77	1.24	57.4	75.7	1.56	(NS)
Other transportation equipment . . . . .	11.67	5.87	5.50	1.60	3.43	22.50	1.91	75.59	39.93	0.54	25.2	28.8	1.73	(S)
Instruments and related products:														
Search and navigation equipment:														
Nondefense . . . . .	15.77	5.68	5.47	1.14	4.79	13.08	0.57	86.35	19.22	0.91	26.4	42.0	1.52	(S)
Defense . . . . .	11.38	3.49	3.20	1.19	2.68	8.58	1.20	90.22	45.11	0.49	13.0	22.4	1.53	(S)
Measuring and controlling devices . . . . .	7.74	2.55	2.28	0.79	2.90	8.67	1.03	90.30	77.31	0.59	-	1.9	1.19	(S)
Medical instruments and supplies . . . . .	7.41	2.36	2.10	0.94	2.24	7.91	1.58	90.51	67.95	0.47	-	-	1.19	(S)
Ophthalmic goods, watches, and clocks . . . . .	8.78	4.62	4.19	1.30	3.22	22.12	2.13	75.75	36.19	0.52	9.3	15.9	1.41	(S)
Photographic goods . . . . .	8.66	3.10	2.89	0.77	3.76	11.02	0.78	88.20	69.07	0.45	0.9	7.5	1.35	(S)
Other durable goods:														
Miscellaneous personal goods . . . . .	15.20	4.27	3.99	0.94	4.26	7.20	0.40	92.40	88.39	0.43	21.3	31.8	1.67	(S)
Other durable goods . . . . .	10.11	3.66	3.49	0.82	4.25	11.39	0.63	87.98	56.33	0.55	10.2	10.3	1.39	(S)
Nondurable goods industries:														
Food and kindred products:														
Meat products . . . . .	3.46	1.87	1.58	0.70	2.25	22.06	4.36	73.58	19.85	0.68	-	-	1.12	(S)
Dairy products . . . . .	3.02	1.53	1.35	0.57	2.38	20.51	3.63	75.86	45.66	0.51	-	-	1.11	(S)
Fats and oils . . . . .	4.89	4.14	3.86	1.20	3.23	61.13	5.87	33.00	3.98	1.37	15.1	25.4	1.13	(NS)
Beverages . . . . .	5.51	2.29	2.17	0.57	3.79	15.03	1.05	83.92	195.60	0.35	-	-	1.40	(S)
All other foods . . . . .	7.70	1.75	1.64	0.52	3.14	4.41	0.45	95.14	164.77	0.39	-	1.7	1.27	(S)
Tobacco products . . . . .	26.52	8.34	7.97	1.57	5.08	9.35	0.36	90.29	40.92	0.71	(NA)	(NA)	2.05	(S)
Textile mill products:														
Broadwoven fabrics and other textiles . . . . .	10.03	2.16	1.88	0.93	2.03	3.41	0.83	95.76	122.43	0.30	1.7	1.7	1.38	(S)
Knitting mills . . . . .	10.11	3.43	3.17	0.97	3.25	9.67	0.91	89.41	73.42	0.42	14.3	17.8	1.40	(S)
Carpets and rugs . . . . .	10.00	3.65	3.26	1.21	2.70	10.80	1.48	87.72	73.70	0.38	9.2	14.4	1.40	(S)
Apparel and other finished textile products . . . . .	9.78	2.54	2.47	0.64	3.85	6.60	0.44	92.96	194.44	0.34	-	0.8	1.51	(S)
Paper and allied products:														
Pulp, paper, and paperboard mills . . . . .	3.77	1.97	1.71	0.89	1.93	25.96	6.97	67.07	24.87	0.64	-	-	1.13	(S)
Paperboard containers and boxes . . . . .	4.85	1.64	1.44	0.69	2.09	9.60	2.19	88.21	69.25	0.35	-	0.8	1.18	(S)
Miscellaneous converted paper products . . . . .	5.09	2.34	2.24	0.66	3.40	20.56	1.78	77.66	27.44	0.67	0.8	2.5	1.14	(S)
Printing, publishing, and allied industries:														
Newspaper, books, and periodicals . . . . .	4.95	2.27	2.09	0.74	2.84	22.90	2.85	74.26	45.70	0.45	-	-	1.21	(S)
Other publishing and printing . . . . .	4.67	1.94	1.77	0.75	2.37	15.00	2.68	82.32	91.54	0.34	-	0.8	1.21	(S)
Chemicals and allied products:														
Industrial chemicals . . . . .	4.26	1.88	1.46	1.06	1.38	11.29	5.92	82.79	58.60	0.35	-	-	1.18	(S)
Paints and related products . . . . .	6.93	2.75	2.54	0.81	3.15	15.22	1.53	83.25	107.32	0.35	0.8	4.2	1.41	(S)
Drugs, soaps, and toiletries . . . . .	8.83	2.47	2.22	0.75	2.98	6.85	0.77	92.38	85.88	0.40	0.8	3.4	1.35	(S)
Agricultural chemicals . . . . .	18.11	7.37	6.85	1.85	3.71	16.62	1.21	82.18	124.37	0.40	37.8	39.4	2.38	(S)

See footnotes at end of table.



Table G-1. Shipments—Continued

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CI)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Nondurable goods industries:—Con.														
Petroleum and coal products:														
Asphalt paving and roofing materials . . . . .	16.62	7.28	6.77	2.06	3.29	17.02	1.57	81.41	227.05	0.29	26.1	45.8	2.35	(S)
Petroleum refining products . . . . .	3.50	2.90	1.98	1.98	1.00	33.24	33.28	33.48	14.46	0.66	(NA)	(NA)	1.14	(S)
Rubber and miscellaneous plastics products:														
Tires and tubes . . . . .	6.88	2.91	2.79	0.80	3.50	17.99	1.46	80.55	72.50	0.44	4.2	11.0	1.30	(S)
Rubber and plastics footwear, hose, belting, gaskets, and other rubber products . . . . .	6.90	2.80	2.39	1.07	2.23	12.97	2.62	84.41	51.08	0.45	3.4	8.5	1.22	(S)
Miscellaneous plastics products, n.e.c. . . . .	6.14	2.48	2.13	0.90	2.37	14.10	2.52	83.38	49.98	0.51	4.2	5.9	1.22	(S)
Leather and leather products:														
Leather tanning and finishing and footwear cut stock . . . . .	11.02	6.25	5.97	1.36	4.38	32.24	1.68	66.07	32.32	0.72	8.4	19.5	1.42	(S)
Other leather products . . . . .	11.68	5.01	4.81	1.13	4.25	15.34	0.85	83.81	58.57	0.51	10.9	22.9	1.54	(S)

- Represents zero. (NA) Not available. n.e.c. Not elsewhere classified. (NS) Not seasonally adjusted. (S) Seasonally adjusted.



Table G-2. Unfilled Orders

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CI)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Furniture and fixtures:														
Household furniture . . . . .	3.85	2.40	1.66	1.36	1.22	19.71	13.24	67.04	29.32	0.49	8.3	6.5	1.18	(S)
All other furniture . . . . .	2.89	2.24	1.64	1.36	1.21	37.58	25.60	36.82	23.05	0.63	3.5	0.7	1.14	(S)
Stone, clay, and glass products:														
Kitchen articles and pottery . . . . .	9.02	6.73	5.40	3.40	1.59	44.47	17.64	37.88	11.21	0.73	37.5	37.1	1.56	(S)
Other stone, clay, and glass products . . . . .	2.36	1.84	1.31	1.10	1.19	35.31	25.12	39.57	20.64	0.62	(NA)	(NA)	1.10	(S)
Primary metal industries:														
Blast furnaces, steel mills . . . . .	4.08	2.96	1.58	2.29	0.69	17.57	36.87	45.56	59.36	0.36	14.8	4.7	1.26	(S)
Iron and steel foundries . . . . .	2.49	2.29	1.24	1.87	0.66	24.38	55.41	20.21	13.86	0.50	(NA)	(NA)	1.09	(S)
Nonferrous and other primary metal products . . . . .	2.87	2.15	1.44	1.52	0.95	25.17	27.84	46.98	68.42	0.33	-	-	1.15	(S)
Fabricated metal products:														
Cutlery and handtools . . . . .	6.62	5.01	4.14	2.33	1.77	46.66	14.82	38.52	7.10	0.91	20.8	14.0	1.32	(S)
Building materials and wire products . . . . .	1.46	1.16	0.87	0.64	1.35	44.46	24.36	31.18	16.94	0.58	(NA)	(NA)	1.06	(S)
Ordinance and accessories:														
Nondefense . . . . .	7.53	6.33	5.15	2.88	1.79	54.31	16.92	28.77	14.21	0.81	22.9	25.2	1.49	(S)
Defense . . . . .	3.39	2.96	2.25	2.12	1.06	43.54	38.86	17.60	2.30	1.00	(NA)	(NA)	1.08	(NS)
Other fabricated metal products . . . . .	1.40	1.18	0.69	0.87	0.79	27.31	44.03	28.66	13.64	0.57	(NA)	(NA)	1.05	(S)
Industrial machinery and equipment:														
Steam engines and turbines . . . . .	2.30	2.05	1.34	1.59	0.84	31.94	45.13	22.93	4.33	1.02	3.7	2.8	1.15	(NS)
Internal combustion engines . . . . .	4.44	3.12	2.62	1.40	1.87	35.19	10.10	54.71	45.05	0.58	3.7	6.5	1.34	(S)
Construction, mining, and material handling equipment . . . . .	2.12	1.99	1.09	1.57	0.70	27.80	57.44	14.76	22.61	0.44	(NA)	(NA)	1.05	(S)
Metalworking machinery . . . . .	2.05	1.93	0.75	1.72	0.44	14.57	76.30	9.14	4.50	0.83	(NA)	(NA)	1.06	(NS)
Special industrial machinery . . . . .	2.22	2.03	1.37	1.47	0.93	39.38	45.16	15.46	6.72	0.69	(NA)	(NA)	1.05	(S)
General industrial machinery . . . . .	1.50	1.40	0.72	1.13	0.64	25.01	61.83	13.16	8.81	0.44	(NA)	(NA)	1.03	(NS)
Computer and office equipment. . . . .	2.52	2.03	1.58	0.97	1.63	48.85	18.42	32.72	8.31	0.97	(NA)	(NA)	1.10	(S)
Refrigeration, heating and service industry machinery . . . . .	3.54	2.34	1.56	1.49	1.05	23.79	21.73	54.47	49.36	0.32	0.9	-	1.20	(S)
Industrial machinery, n.e.c. . . . .	2.71	2.39	1.61	1.69	0.95	35.46	39.01	25.53	7.66	0.58	(NA)	(NA)	1.09	(S)
Electronic and other electrical equipment:														
Electrical transmission and distribution equipment . . . . .	1.97	1.63	1.35	0.90	1.50	46.18	20.57	33.25	23.26	0.57	(NA)	(NA)	1.08	(S)
Electrical industrial apparatus . . . . .	1.48	1.24	0.91	0.78	1.17	39.58	28.68	31.75	8.43	0.75	(NA)	(NA)	1.04	(NS)
Household appliances . . . . .	7.75	5.12	4.42	2.47	1.79	34.49	10.77	54.74	20.37	0.78	21.5	26.6	1.48	(S)
Electric lighting and wiring equipment . . . . .	2.87	2.69	2.04	1.41	1.44	60.33	28.95	10.72	3.90	0.91	(NA)	(NA)	1.06	(NS)
Household audio and video equipment . . . . .	21.55	13.41	11.89	4.53	2.62	36.09	5.25	58.67	21.54	0.72	52.1	59.4	2.80	(S)
Communication equipment:														
Nondefense . . . . .	1.61	1.43	1.16	0.75	1.54	50.27	21.18	28.55	2.90	1.36	(NA)	(NA)	1.07	(NS)
Defense . . . . .	1.80	1.63	0.83	1.43	0.58	20.45	60.07	19.48	12.12	0.60	(NA)	(NA)	1.05	(S)
Electronic components and accessories . . . . .	2.10	1.80	0.92	1.45	0.63	20.80	51.95	27.26	46.94	0.30	(NA)	(NA)	1.08	(S)
Miscellaneous electrical equipment and supplies . . . . .	2.55	2.27	1.56	1.45	1.08	43.75	37.73	18.51	15.82	0.58	(NA)	(NA)	1.07	(S)
Transportation equipment:														
Motor vehicle parts . . . . .	2.85	2.45	1.56	1.73	0.90	31.31	38.29	30.41	19.54	0.42	0.9	0.9	1.12	(S)
Complete aircraft, missile and space vehicles:														
Nondefense . . . . .	2.71	2.55	1.52	2.09	0.73	29.64	55.65	14.70	5.88	0.66	(NA)	(NA)	1.07	(NS)
Defense . . . . .	2.20	1.70	1.18	1.14	1.04	31.15	28.83	40.01	26.56	0.51	-	-	1.13	(S)
Aircraft, missile and space vehicle parts:														
Nondefense . . . . .	2.50	2.40	1.28	2.03	0.63	25.77	64.73	9.50	2.39	1.02	(NA)	(NA)	1.06	(NS)
Defense . . . . .	2.17	1.95	1.48	1.36	1.09	43.03	36.16	20.81	6.25	0.66	(NA)	(NA)	1.09	(S)

See footnotes at end of table.



Table G-2. Unfilled Orders—Continued

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	O value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CI)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods Industries:—Con.														
Transportation equipment:—Con.														
Shipbuilding and tanks:														
Nondefense .....	5.41	5.03	3.41	3.53	0.97	40.60	43.34	16.05	4.60	0.85	20.1	9.8	1.30	(S)
Defense .....	2.70	2.36	1.89	1.52	1.24	51.18	33.19	15.63	4.75	0.85	(NA)	(NA)	1.09	(NS)
Railroad equipment .....	5.96	5.46	3.31	4.05	0.82	33.81	50.56	15.63	8.31	0.74	16.0	9.8	1.20	(NS)
Instruments and related products:														
Search and navigation equipment:														
Nondefense .....	1.85	1.67	1.25	1.06	1.19	43.97	31.30	24.73	4.49	1.08	(NA)	(NA)	1.10	(NS)
Defense .....	1.72	1.65	0.81	1.42	0.57	20.53	62.94	16.53	16.38	0.53	(NA)	(NA)	1.05	(S)
Measuring and controlling devices .....	1.36	1.31	0.75	0.99	0.75	31.90	56.41	11.69	5.68	0.71	(NA)	(NA)	1.04	(NS)
Medical instruments and supplies .....	1.63	1.48	0.90	1.20	0.75	30.72	55.01	14.27	1.40	1.00	(NA)	(NA)	1.06	(NS)
Ophthalmic goods, watches, and clocks .....	8.28	6.35	5.45	2.49	2.19	47.50	9.91	42.59	34.44	0.52	13.2	16.8	1.43	(S)
Photographic goods .....	5.07	4.01	3.40	1.89	1.80	53.52	16.56	29.92	8.75	0.76	4.6	13.1	1.21	(S)
Other durable goods:														
Miscellaneous personal goods. ....	15.18	6.05	4.58	3.11	1.47	8.90	4.11	86.99	163.57	0.32	34.7	28.7	2.75	(S)
Other durable goods .....	6.87	4.19	3.75	1.67	2.24	30.32	6.05	63.63	25.04	0.68	9.0	12.6	1.59	(S)
Nondurable goods industries:														
Textile mill products:														
Broadwoven fabrics and other textiles .....	2.47	2.22	1.41	1.53	0.92	33.84	40.25	25.91	8.22	0.63	(NA)	(NA)	1.08	(S)
Carpets and rugs .....	7.91	5.74	4.37	2.93	1.49	36.76	16.55	46.69	14.23	0.66	22.9	29.4	1.31	(S)
Paper and allied products:														
Pulp, paper, and paperboard mill products .....	4.46	3.44	2.74	1.83	1.50	43.73	19.46	36.81	21.80	0.52	6.5	12.1	1.18	(S)
Paperboard containers and boxes .....	3.80	2.58	1.83	1.61	1.14	23.88	18.52	57.59	70.10	0.31	-	-	1.21	(S)
Miscellaneous converted paper products .....	4.28	3.41	3.24	0.86	3.78	63.69	4.45	31.86	5.52	1.04	6.3	6.3	1.15	(S)
Printing and publishing:														
Newspaper, books, and periodicals .....	5.78	3.85	3.45	1.51	2.29	38.38	7.33	54.29	14.12	0.86	17.4	6.3	1.21	(S)
Other publishing and printing. ....	3.15	2.24	1.90	1.16	1.63	41.31	15.47	43.22	6.74	1.04	0.9	-	1.14	(S)
Leather and leather products:														
Leather tanning and finishing and cut stock .....	8.38	7.16	6.51	2.10	3.10	66.11	6.89	27.01	11.60	1.19	18.8	26.6	1.42	(S)
Other leather products .....	6.87	4.63	3.43	2.45	1.40	30.04	15.29	54.67	26.19	0.51	8.3	7.7	1.43	(S)

- Represents zero. (NA) Not available. n.e.c. Not elsewhere classified. (NS) Not seasonally adjusted. (S) Seasonally adjusted.



Table G-3. Total Inventories

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CI)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>t</sub>	MM <sub>t</sub>		
Durable goods industries:														
Lumber and wood products:														
Wooden containers, pallets, and skids	4.56	4.12	3.49	1.75	1.99	59.35	15.03	25.61	0.91	1.58	25.9	22.4	1.16	(NS)
Wood buildings and mobile homes	4.85	2.75	2.38	1.15	2.06	25.40	5.96	68.64	12.42	0.72	1.4	3.5	1.15	(S)
All other wood products	1.62	1.30	1.05	0.65	1.60	41.75	16.21	42.04	17.95	0.82	(NA)	(NA)	1.09	(S)
Furniture and fixtures:														
Household furniture	1.29	0.95	0.70	0.57	1.23	31.66	20.78	47.55	36.13	0.38	(NA)	(NA)	1.06	(S)
All other furniture	1.57	1.40	0.99	0.89	1.11	41.54	33.90	24.55	13.18	0.55	(NA)	(NA)	1.05	(S)
Stone, clay, and glass products:														
Glass containers	2.25	1.47	1.15	0.89	1.28	30.33	18.44	51.23	25.80	0.39	(NA)	(NA)	1.10	(S)
Kitchen articles and pottery	2.99	2.45	2.07	1.00	2.07	53.85	12.56	33.59	18.56	0.70	2.1	2.8	1.15	(S)
Other stone, clay, and glass products	1.55	0.91	0.69	0.51	1.35	20.48	11.18	68.34	95.84	0.30	(NA)	(NA)	1.07	(S)
Primary metal industries:														
Blast furnaces, steel mills	1.50	1.26	0.59	1.05	0.57	16.74	52.42	30.84	11.06	0.72	(NA)	(NA)	1.06	(S)
Iron and steel foundries	2.06	1.38	1.12	0.62	1.82	33.50	10.09	56.41	58.64	0.50	-	-	1.12	(S)
Nonferrous and other primary metal products	1.34	1.15	0.67	0.85	0.79	28.53	45.18	26.29	23.16	0.48	(NA)	(NA)	1.06	(S)
Fabricated metal products:														
Metal cans and shipping containers	5.29	2.97	2.48	1.15	2.16	23.04	4.92	72.04	65.52	0.41	12.0	7.5	1.35	(S)
Cutlery and handtools	2.26	1.69	1.47	0.76	1.94	41.27	11.01	47.72	27.15	0.51	-	2.8	1.11	(S)
Building materials and wire products	1.34	1.06	0.84	0.60	1.40	37.90	19.43	42.67	19.33	0.50	(NA)	(NA)	1.06	(S)
Ordinance and accessories:														
Nondefense	4.03	2.72	2.17	1.24	1.75	31.35	10.29	58.35	21.72	0.60	5.6	4.7	1.26	(S)
Defense	2.74	2.47	1.77	1.44	1.23	46.17	30.74	23.09	8.24	0.64	(NA)	(NA)	1.07	(S)
Other fabricated metal products	1.21	1.11	0.81	0.75	1.09	44.80	37.83	17.36	6.86	0.61	(NA)	(NA)	1.03	(NS)
Industrial machinery and equipment:														
Steam engines and turbines	4.57	2.60	2.20	1.60	1.37	28.01	14.82	57.17	17.45	0.56	4.2	9.1	1.28	(S)
Internal combustion engines	1.85	1.54	1.04	1.12	0.92	30.19	35.52	34.30	16.01	0.51	(NA)	(NA)	1.08	(S)
Farm and garden machinery	2.60	1.90	1.52	1.14	1.33	31.31	17.50	51.38	35.52	0.42	0.9	1.9	1.13	(S)
Construction, mining, and material handling equipment	1.43	1.27	0.74	1.10	0.67	23.89	52.69	23.41	18.13	0.34	(NA)	(NA)	1.05	(S)
Metalworking machinery	1.26	0.97	0.58	0.72	0.81	23.67	36.40	39.94	17.88	0.50	(NA)	(NA)	1.05	(S)
Special industry machinery	1.64	1.22	0.95	0.72	1.32	37.34	21.58	41.08	19.44	0.54	(NA)	(NA)	1.05	(S)
General industrial machinery	1.03	0.90	0.59	0.67	0.89	32.71	41.28	26.01	10.43	0.57	(NA)	(NA)	1.04	(S)
Computer and office equipment	1.94	1.35	0.63	1.18	0.54	11.62	39.84	48.54	24.99	0.49	(NA)	(NA)	1.07	(S)
Refrigeration, heating, and service industry machinery	2.28	1.38	0.96	0.92	1.05	19.29	17.57	63.13	69.08	0.35	-	-	1.13	(S)
Industrial machinery, n.e.c.	1.92	1.74	1.30	0.97	1.35	49.86	27.43	22.71	12.57	0.64	(NA)	(NA)	1.05	(S)
Electronic and other electrical equipment:														
Electrical transmission and distribution equipment	2.00	1.59	1.26	0.96	1.31	39.08	22.79	38.13	19.49	0.57	(NA)	(NA)	1.08	(S)
Electrical industrial apparatus	1.32	1.16	0.86	0.84	1.02	42.72	40.87	16.41	9.91	0.52	(NA)	(NA)	1.04	(S)
Household appliances	3.08	1.93	1.50	1.04	1.44	22.35	10.71	66.94	93.18	0.30	-	-	1.19	(S)
Electric lighting and wiring equipment	1.62	0.88	0.60	0.63	0.95	13.94	15.31	70.75	75.64	0.29	(NA)	(NA)	1.09	(S)
Household audio and video equipment	3.10	2.26	1.56	1.42	1.09	27.57	23.11	49.32	45.29	0.40	2.8	1.9	1.16	(S)
Communication equipment:														
Nondefense	1.57	1.36	0.70	1.07	0.65	23.89	56.38	19.73	9.23	0.55	(NA)	(NA)	1.04	(S)
Defense	2.91	2.63	1.47	2.06	0.71	26.92	52.91	20.17	11.08	0.59	0.7	0.7	1.11	(S)
Electronic components	1.29	1.14	0.69	0.91	0.76	30.71	53.08	16.21	9.69	0.57	(NA)	(NA)	1.03	(S)
Miscellaneous electrical equipment and supplies	1.64	1.19	0.66	0.94	0.70	16.19	32.84	50.97	41.22	0.38	(NA)	(NA)	1.07	(S)

See footnotes at end of table.



Table G-3. Total Inventories—Continued

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CI)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>t</sub>	MM <sub>c</sub>		
Durable goods industries:—Con.														
Transportation equipment:														
Motor vehicle parts . . . . .	2.04	1.52	1.03	0.92	1.12	27.49	22.02	50.49	24.63	0.45	(NA)	(NA)	1.09	(S)
Motor vehicle assembly operations . . . . .	3.70	2.09	1.80	0.88	2.05	26.18	6.23	67.59	30.89	0.57	-	-	1.16	(S)
Complete aircraft, missile and space vehicles:														
Nondefense . . . . .	2.25	2.03	1.36	1.40	0.97	37.59	40.09	22.31	3.84	0.84	(NA)	(NA)	1.07	(S)
Defense . . . . .	2.05	1.98	1.11	1.47	0.75	28.92	51.38	19.70	8.00	0.53	(NA)	(NA)	1.06	(S)
Aircraft, missile and space vehicle parts:														
Nondefense . . . . .	2.38	1.98	1.29	1.51	0.85	33.50	46.31	20.20	8.15	0.49	(NA)	(NA)	1.07	(S)
Defense . . . . .	3.30	2.47	2.06	1.29	1.59	47.20	18.69	34.11	10.10	0.62	1.9	-	1.12	(S)
Shipbuilding and tanks:														
Nondefense . . . . .	8.97	6.73	6.19	2.27	2.73	52.66	7.06	40.28	16.23	0.83	34.0	32.2	1.57	(S)
Defense . . . . .	3.54	3.13	2.37	1.76	1.35	51.90	28.58	19.53	2.66	1.00	(NA)	(NA)	1.08	(S)
Railroad equipment . . . . .	2.96	2.48	1.62	1.65	0.98	34.44	35.63	29.94	6.05	0.69	(NA)	(NA)	1.09	(NS)
Other transportation equipment . . . . .	4.06	2.71	2.21	1.16	1.90	30.52	8.49	60.99	15.69	0.83	12.0	7.5	1.25	(S)
Instruments and related products:														
Search and navigation equipment:														
Nondefense . . . . .	2.21	1.59	1.14	1.09	1.05	26.98	24.63	48.38	11.61	0.61	-	0.9	1.11	(S)
Defense . . . . .	2.16	1.93	0.95	1.68	0.57	19.91	61.87	18.22	8.83	0.50	(NA)	(NA)	1.06	(S)
Measuring and controlling devices . . . . .	1.18	0.99	0.64	0.76	0.85	28.80	40.28	30.93	10.02	0.59	(NA)	(NA)	1.05	(S)
Medical instruments and supplies . . . . .	1.30	1.06	0.69	0.91	0.76	25.60	44.19	30.21	18.13	0.45	(NA)	(NA)	1.06	(S)
Ophthalmic goods, watches, and clocks . . . . .	1.98	1.49	1.12	0.91	1.23	33.42	21.98	44.60	33.99	0.43	(NA)	(NA)	1.10	(S)
Photographic goods . . . . .	2.37	1.61	1.23	1.00	1.23	26.01	17.25	56.74	22.29	0.52	(NA)	(NA)	1.10	(S)
Other durable goods:														
Miscellaneous personal goods . . . . .	1.80	1.17	0.82	0.73	1.12	21.79	17.36	60.85	36.35	0.35	(NA)	(NA)	1.09	(S)
Other durable goods . . . . .	1.75	1.29	1.00	0.77	1.29	31.74	19.01	49.25	29.78	0.45	(NA)	(NA)	1.08	(S)
Nondurable goods industries:														
Food and kindred products:														
Meat products . . . . .	2.86	1.56	1.26	0.70	1.80	21.08	6.54	72.38	31.62	0.63	-	-	1.13	(S)
Dairy products . . . . .	1.76	1.28	0.95	0.70	1.36	29.91	16.24	53.85	50.56	0.40	(NA)	(NA)	1.08	(S)
Fats and oils . . . . .	8.38	5.41	4.66	2.07	2.26	32.38	6.35	61.27	59.27	0.49	9.0	16.1	1.59	(S)
Beverages . . . . .	1.66	1.08	0.97	0.51	1.88	34.72	9.80	55.48	21.66	0.72	(NA)	(NA)	1.10	(S)
All other foods . . . . .	2.84	0.84	0.72	0.43	1.67	6.34	2.28	91.38	517.96	0.23	-	-	1.19	(S)
Tobacco products . . . . .	3.34	1.68	1.36	1.11	1.23	16.84	11.19	71.98	54.68	0.28	1.9	1.9	1.19	(S)
Textile mill products:														
Broadwoven fabrics and other textiles . . . . .	1.55	1.01	0.73	0.62	1.18	26.74	19.27	53.99	46.07	0.37	(NA)	(NA)	1.06	(S)
Knitting mills . . . . .	2.23	1.28	1.06	0.60	1.79	21.89	6.86	71.25	43.10	0.48	-	0.9	1.14	(S)
Carpets and rugs . . . . .	2.18	1.72	1.17	1.16	1.01	31.59	31.01	37.40	19.57	0.45	-	-	1.13	(S)
Apparel and other finished textile products . . . . .	2.32	1.00	0.66	0.72	0.91	7.12	8.64	84.23	259.58	0.21	-	-	1.16	(S)
Paper and allied products:														
Pulp, paper, and paperboard mills . . . . .	1.32	1.09	0.67	0.72	0.93	25.97	29.82	44.21	28.45	0.35	(NA)	(NA)	1.06	(S)
Paperboard containers and boxes . . . . .	1.54	1.25	0.83	0.84	0.99	30.01	30.35	39.64	16.66	0.50	(NA)	(NA)	1.05	(S)
Miscellaneous converted paper products . . . . .	1.70	1.24	0.88	0.70	1.27	26.38	16.45	57.16	39.67	0.44	(NA)	(NA)	1.06	(S)
Printing and publishing:														
Newspaper, books, and periodicals . . . . .	1.87	1.19	0.94	0.77	1.22	26.10	17.66	56.24	80.03	0.31	(NA)	(NA)	1.10	(S)
Other publishing and printing . . . . .	2.63	1.30	0.94	0.84	1.13	14.42	11.38	74.20	68.35	0.29	-	-	1.16	(S)

See footnotes at end of table.



Table G-3. Total Inventories—Continued

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (C)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Nondurable goods Industries:—Con.														
Chemicals and allied products:														
Industrial chemicals . . . . .	1.42	1.28	0.83	0.96	0.87	28.95	38.50	32.55	20.27	0.41	(NA)	(NA)	1.07	(S)
Paints and related products . . . . .	2.00	1.58	1.32	0.79	1.67	44.29	15.82	39.89	32.64	0.40	(NA)	(NA)	1.08	(S)
Drugs, soaps, and toiletries . . . . .	1.42	0.84	0.52	0.66	0.79	13.91	22.10	63.99	38.46	0.34	(NA)	(NA)	1.06	(S)
Agricultural chemicals . . . . .	4.45	2.30	1.78	1.28	1.39	18.16	9.42	72.43	100.58	0.34	10.2	-	1.29	(S)
Petroleum and coal products:														
Asphalt paving and roofing materials . . . . .	5.09	3.60	3.03	1.67	1.81	36.72	11.18	52.11	37.98	0.53	5.6	13.1	1.25	(S)
Other petroleum refining products . . . . .	2.71	2.35	1.53	1.58	0.96	33.57	36.07	30.36	11.44	0.57	(NA)	(NA)	1.08	(S)
Rubber and miscellaneous plastics products:														
Tires and tubes . . . . .	3.06	1.91	1.40	1.22	1.14	19.44	14.88	65.68	82.37	0.29	3.7	0.9	1.21	(S)
Rubber and plastics footwear, hose, belting, gaskets, and other rubber products . . . . .	1.68	1.42	1.00	0.86	1.17	34.32	25.14	40.55	14.62	0.64	-	-	1.11	(S)
Miscellaneous plastics products, n.e.c. . . . .	1.44	1.18	0.79	0.85	0.93	25.11	29.12	45.77	30.72	0.44	(NA)	(NA)	1.08	(S)
Leather and leather products:														
Leather tanning and finishing and footwear cut stock . . . . .	4.58	3.63	3.08	1.54	2.00	47.12	11.73	41.15	9.22	0.85	4.6	11.2	1.21	(S)
Other leather products . . . . .	2.87	1.84	1.42	0.85	1.67	28.13	10.03	61.85	26.02	0.56	-	0.9	1.13	(S)

- Represents zero. (NA) Not available. n.e.c. Not elsewhere classified. (NS) Not seasonally adjusted. (S) Seasonally adjusted.



Table G-4. Materials and Supplies Inventories

Industry	Average percent changes				Ratio of irregular to cyclical components ( $I/C$ )	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series ( $\bar{O}$ )	Seasonally adjusted series ( $\bar{CI}$ )	Irregular component ( $\bar{I}$ )	Cyclical component ( $\bar{C}$ )		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Lumber and wood products . . . . .	2.95	1.66	1.20	0.86	1.40	17.37	8.91	73.72	113.91	0.28	-	-	1.18	(S)
Furniture and fixtures . . . . .	1.48	1.30	0.95	0.78	1.22	43.00	29.10	27.90	7.32	0.74	(NA)	(NA)	1.03	(S)
Stone, clay, and glass products . . . . .	1.34	1.05	0.86	0.57	1.51	46.92	20.47	32.61	9.94	0.69	(NA)	(NA)	1.05	(S)
Primary metal industries . . . . .	1.86	1.34	0.83	1.00	0.83	21.91	31.50	46.59	38.85	0.28	(NA)	(NA)	1.10	(S)
Fabricated metal products . . . . .	1.34	1.17	0.88	0.76	1.16	41.52	30.94	27.54	10.24	0.55	(NA)	(NA)	1.06	(S)
Industrial machinery and equipment . . . . .	1.33	1.15	0.84	0.84	0.99	40.81	41.36	17.82	4.56	0.72	(NA)	(NA)	1.04	(S)
Electronic and other electrical equipment . . . . .	1.42	1.19	0.76	0.85	0.89	28.82	36.21	34.97	15.61	0.57	(NA)	(NA)	1.04	(S)
Transportation equipment . . . . .	1.82	1.63	1.25	0.84	1.48	53.36	24.32	22.32	4.26	0.88	(NA)	(NA)	1.07	(S)
Instruments and related products . . . . .	1.81	1.66	1.05	1.15	0.91	35.70	43.00	21.30	7.45	0.59	(NA)	(NA)	1.07	(S)
Other durable goods . . . . .	1.93	1.60	1.37	0.86	1.59	50.45	19.98	29.57	7.27	0.77	(NA)	(NA)	1.05	(S)
Nondurable goods industries:														
Food and kindred products . . . . .	2.15	1.36	1.13	0.59	1.90	28.29	7.85	63.86	79.81	0.38	-	-	1.12	(S)
Tobacco products . . . . .	3.55	1.72	1.35	1.21	1.11	15.30	12.40	72.30	64.14	0.26	0.9	-	1.22	(S)
Textile mill products . . . . .	2.18	1.47	1.07	0.86	1.23	23.98	15.73	60.29	63.46	0.35	(NA)	(NA)	1.11	(S)
Apparel and other finished textile products . . . . .	2.22	1.58	1.29	0.81	1.59	35.28	14.01	50.71	23.77	0.49	(NA)	(NA)	1.10	(S)
Paper and allied products . . . . .	1.17	0.99	0.58	0.72	0.80	26.00	40.85	33.15	10.29	0.60	(NA)	(NA)	1.03	(S)
Printing, publishing, and allied industries . . . . .	2.24	1.58	1.12	1.07	1.04	24.38	22.53	53.09	39.35	0.36	-	-	1.11	(S)
Chemicals and allied products . . . . .	1.18	1.04	0.74	0.64	1.17	38.23	28.15	33.62	10.27	0.61	(NA)	(NA)	1.04	(S)
Petroleum and coal products . . . . .	3.22	2.99	2.22	1.66	1.33	47.34	26.57	26.08	3.10	0.94	(NA)	(NA)	1.06	(S)
Rubber and miscellaneous plastics products . . . . .	2.27	1.81	1.38	0.99	1.40	41.05	21.05	37.90	9.56	0.77	(NA)	(NA)	1.09	(S)
Leather and leather products . . . . .	3.86	2.93	2.33	1.48	1.58	45.90	18.50	35.60	5.19	0.81	4.2	6.3	1.11	(S)

- Represents zero. (NA) Not available. (S) Seasonally adjusted.



Table G-5. Work-In-Process Inventories

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (C)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Lumber and wood products . . . . .	2.56	2.28	1.79	1.19	1.50	52.36	23.16	24.48	6.98	0.82	(NA)	(NA)	1.10	(S)
Furniture and fixtures . . . . .	1.91	1.64	1.34	0.82	1.64	53.10	19.82	27.08	10.00	0.83	(NA)	(NA)	1.07	(S)
Stone, clay, and glass products . . . . .	2.57	1.68	1.44	0.83	1.74	30.88	10.20	58.91	53.03	0.44	-	-	1.12	(S)
Primary metal industries . . . . .	1.60	1.41	0.88	1.00	0.88	30.85	39.96	29.18	15.30	0.53	(NA)	(NA)	1.06	(S)
Fabricated metal products . . . . .	1.66	1.18	0.95	0.62	1.54	33.73	14.17	52.09	17.33	0.64	(NA)	(NA)	1.08	(S)
Industrial machinery and equipment . . . . .	1.56	1.17	0.83	0.75	1.11	32.51	26.59	40.90	11.07	0.58	(NA)	(NA)	1.06	(S)
Electronic and other electrical equipment . . . . .	1.36	1.04	0.53	0.87	0.62	16.44	43.41	40.15	28.73	0.42	(NA)	(NA)	1.06	(S)
Transportation equipment . . . . .	1.59	1.24	0.77	0.91	0.84	25.77	36.66	37.57	14.97	0.48	(NA)	(NA)	1.06	(S)
Instruments and related products . . . . .	1.75	1.44	0.94	1.06	0.89	29.32	37.43	33.25	19.09	0.43	(NA)	(NA)	1.06	(S)
Other durable goods . . . . .	2.26	1.89	1.52	0.86	1.77	50.05	15.97	33.98	14.24	0.57	(NA)	(NA)	1.09	(S)
Nondurable goods industries:														
Food and kindred products . . . . .	2.39	1.62	1.27	0.81	1.58	36.54	14.59	48.87	14.99	0.67	-	1.90	1.14	(S)
Tobacco products . . . . .	20.92	13.41	11.52	4.46	2.58	33.48	5.01	61.50	54.58	0.43	39.60	35.70	2.95	(S)
Textile mill products . . . . .	1.73	1.30	1.05	0.58	1.82	50.50	15.24	34.25	9.34	0.87	(NA)	(NA)	1.07	(S)
Apparel and other finished textile products . . . . .	2.70	1.90	1.47	1.05	1.40	31.54	16.04	52.43	36.11	0.47	-	-	1.15	(S)
Paper and allied products . . . . .	2.11	1.71	1.40	0.81	1.72	49.63	16.74	33.63	13.67	0.67	(NA)	(NA)	1.09	(S)
Printing, publishing, and allied industries . . . . .	3.35	2.26	2.03	0.98	2.08	37.26	8.64	54.10	18.51	0.63	-	2.80	1.15	(S)
Chemicals and allied products . . . . .	1.97	1.52	1.27	0.88	1.44	42.54	20.54	36.93	11.59	0.68	(NA)	(NA)	1.08	(S)
Petroleum and coal products . . . . .	4.03	3.65	2.92	1.86	1.57	56.04	22.63	21.33	6.38	0.78	(NA)	(NA)	1.09	(S)
Rubber and miscellaneous plastics products . . . . .	2.67	2.29	1.93	1.04	1.85	55.45	16.26	28.30	4.27	0.80	(NA)	(NA)	1.07	(S)
Leather and leather products . . . . .	3.94	2.91	2.55	1.13	2.26	46.57	9.11	44.32	6.15	1.03	0.70	-	1.12	(S)

- Represents zero. (NA) Not available. (S) Seasonally adjusted.



Table G-6. Finished Goods Inventories

Industry	Average percent changes				Ratio of irregular to cyclical components (I/C)	Relative contribution to variance			F value	Q value	Percent revised		Ratio of seasonal factors	Seasonal adjustment indicator
	Original series (O)	Seasonally adjusted series (CI)	Irregular component (I)	Cyclical component (C)		I	C	S			SF <sub>r</sub>	MM <sub>c</sub>		
Durable goods industries:														
Lumber and wood products . . . . .	3.50	2.07	1.55	1.12	1.39	20.48	10.58	68.94	89.63	0.41	1.90	-	1.24	(S)
Furniture and fixtures . . . . .	1.99	1.45	1.16	0.79	1.47	33.42	15.53	51.05	36.49	0.42	(NA)	(NA)	1.10	(S)
Stone, clay, and glass products . . . . .	2.09	1.14	0.94	0.66	1.42	19.38	9.64	70.99	117.54	0.33	-	-	1.12	(S)
Primary metal industries . . . . .	2.13	1.62	1.16	0.96	1.20	30.61	21.18	48.21	32.00	0.47	(NA)	(NA)	1.10	(S)
Fabricated metal products . . . . .	1.88	1.23	0.95	0.78	1.23	26.78	17.77	55.45	60.54	0.30	(NA)	(NA)	1.09	(S)
Industrial machinery and equipment . . . . .	1.99	1.42	1.09	0.92	1.19	30.35	21.47	48.18	24.74	0.45	(NA)	(NA)	1.07	(S)
Electronic and other electrical equipment . . . . .	1.97	1.29	0.86	0.95	0.91	19.39	23.41	57.20	69.05	0.29	-	-	1.11	(S)
Transportation equipment . . . . .	2.71	2.05	1.74	0.96	1.82	42.36	12.77	44.87	11.50	0.70	(NA)	(NA)	1.09	(S)
Instruments and related products . . . . .	2.02	1.44	0.97	1.13	0.86	21.82	29.68	48.50	24.66	0.50	(NA)	(NA)	1.08	(S)
Other durable goods . . . . .	2.22	1.55	1.13	0.92	1.22	25.23	16.82	57.94	33.93	0.39	-	-	1.11	(S)
Nondurable goods industries:														
Food and kindred products . . . . .	2.73	1.00	0.83	0.50	1.66	9.11	3.31	87.58	238.35	0.23	-	-	1.18	(S)
Tobacco products . . . . .	10.19	5.67	4.93	2.45	2.01	26.63	6.57	66.80	19.66	0.59	23.60	30.10	1.46	(S)
Textile mill products . . . . .	1.88	1.05	0.78	0.65	1.21	18.02	12.40	69.58	73.31	0.31	-	-	1.12	(S)
Apparel and other finished textile products . . . . .	3.96	1.72	1.13	1.16	0.97	7.66	8.10	84.24	205.59	0.20	-	-	1.26	(S)
Paper and allied products . . . . .	2.18	1.25	0.83	0.76	1.10	12.70	10.54	76.76	106.76	0.28	-	-	1.12	(S)
Printing, publishing, and allied products . . . . .	3.00	1.65	1.40	0.81	1.74	22.22	7.33	70.44	125.97	0.22	-	2.80	1.18	(S)
Chemicals and allied products . . . . .	1.77	1.38	0.96	0.96	1.00	27.40	27.41	45.19	28.39	0.33	(NA)	(NA)	1.09	(S)
Petroleum and coal products . . . . .	3.70	3.12	2.13	1.88	1.13	36.75	28.71	34.54	10.42	0.61	(NA)	(NA)	1.12	(S)
Rubber and miscellaneous plastics products . . . . .	2.27	1.32	1.04	0.80	1.30	18.54	11.01	70.45	95.52	0.34	-	-	1.16	(S)
Leather and leather products . . . . .	4.42	2.53	2.07	1.18	1.74	24.12	7.92	67.96	21.11	0.59	3.70	3.70	1.25	(S)

- Represents zero. (NA) Not available. (S) Seasonally adjusted.







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